

# WEEKLY WEATHER AND CROP BULLETIN

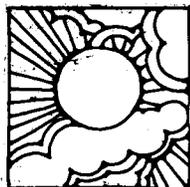
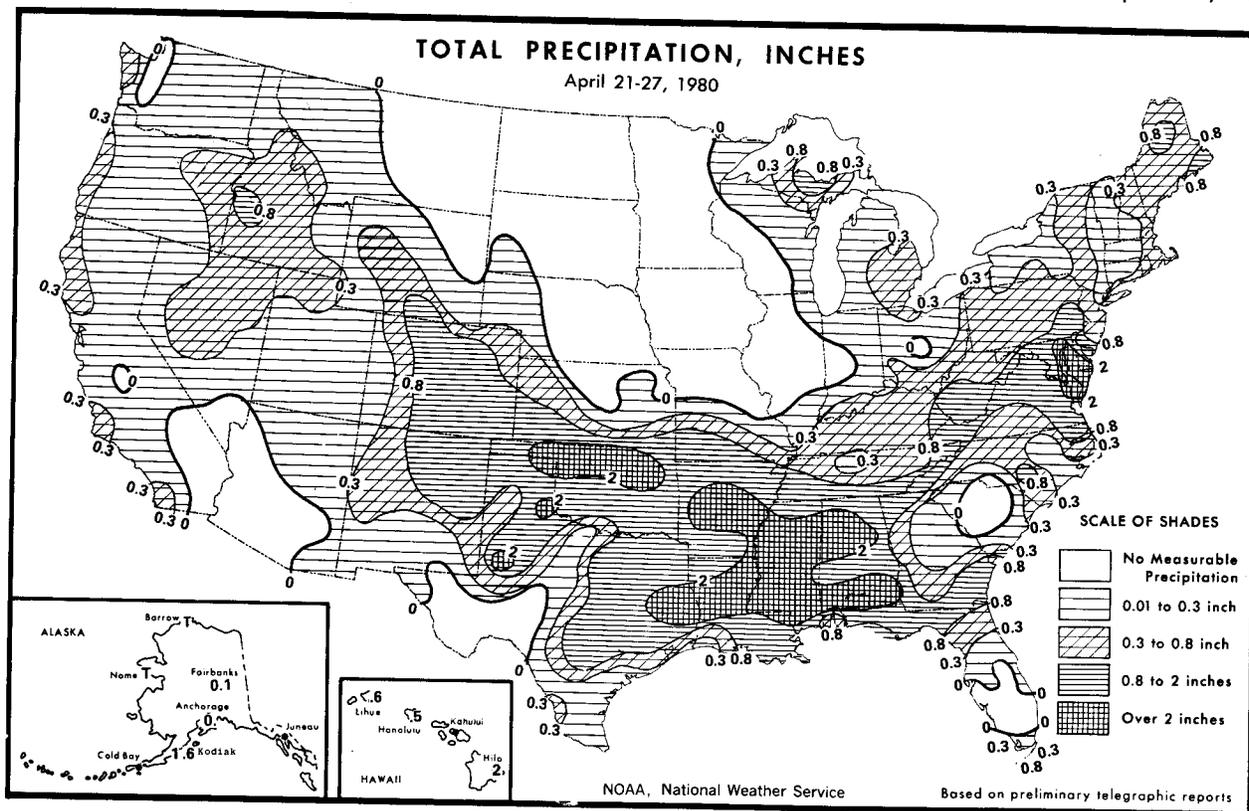
U.S. DEPARTMENT OF COMMERCE  
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## National Weather Summary

April 21 - 27

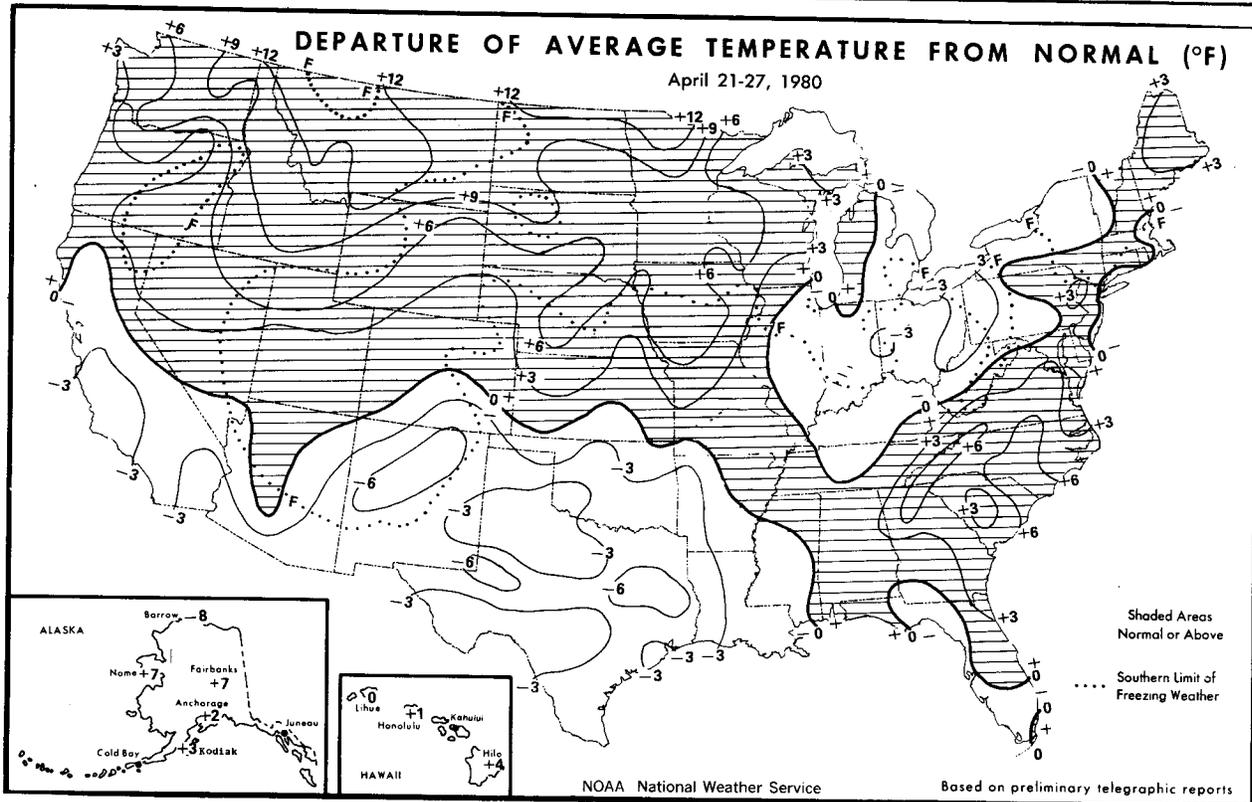
**HIGHLIGHTS:** Unseasonably warm weather began in Montana and spread eastward. On Monday, temperatures in the nineties covered the northern Plains; some readings soared to 100° in North Dakota. Tuesday showed century-mark temperatures reaching Iowa. Readings diminished somewhat on Wednesday as the wedge of warm air moved eastward; however, temperatures remained in the high eighties. Thursday brought a sharp contrast as temperatures dropped into the twenties in the Lakes area and parts of the Midwest; snow accompanied the cold air at some points. Portions of the Southeast marked 90° and higher.

After nearly 5 consecutive days of little or no rainfall, the area from eastern Texas through Alabama was hit by severe storms starting on Friday. Elsewhere, moderate to heavy rains, including tornadoes and hail, ranged from eastern Colorado through Oklahoma, the Texas Panhandle, and Arkansas

**MONDAY...**Unseasonably warm air dominated the northern Plains and upper Mississippi Valley. More than three dozen cities set or tied records from Montana eastward to Michigan and southeastward to Florida.

In North Dakota, both Fargo and Grand Forks reached 100°--the first time the mercury hit the century mark in the State during April. Both Bismarck, N. Dak., at 93°, and Norfolk, eastern Nebraska, at 95°, established daily, monthly, and seasonal records.

Meantime, a Pacific frontal system edged over the coast carrying light rains to sections of Oregon and heavier amounts to northern California. Eureka, Calif., measured a record inch and three-quarters for the day, easily outdistancing the former mark of 0.84 inch.



**TUESDAY...**The hot temperatures moved out of the northern Plains but continued to bake an area from the upper Mississippi Valley and Great Lakes south-eastward to Florida.

In north central Iowa, Fort Dodge and Waterloo scored 100°--the first time for Iowa that April readings soared that high. Chicago warmed to 91°, and Madison, Wisc., tallied 94°--12 degrees above the former record.

By contrast, brief snow showers dusted northern New England and eastern Nevada. Half-inch rains dampened parts of the Rockies and the Texas Panhandle.

**WEDNESDAY...**The hot weather reached the East Coast toppling temperature records from the Great Lakes to the middle Atlantic States and southward. New marks included 88° at Marquette, northern Michigan, Nashville's 90°, Atlanta's 91°, and 95° at Raleigh/Durham, N.C.

However, just to the north along the Atlantic Coast, chilly readings dipped as low as the thirties. Atlantic City, eastern New Jersey, set a record low of 30°.

Showers and thunderstorms ranged from eastern Colorado and West Texas through a large segment of the southern Plains. One to 2 inches soaked Lamar, Colo., Dalhart, Tex., and Gage, Okla.

**THURSDAY...**Unseasonably cold temperatures and snow replaced the early-week record heat.

One to 3 inches of snow whitened Milwaukee, and Muskegon and Grand Rapids in western Michigan. Muskegon also established a record low temperature of 27°, while Alpena, northern Michigan, settled at a record low of 24°.

Heavy snows blanketed the mountains of Colorado and New Mexico, and severe weather surged over portions of Texas--tornadoes and hail hit the State from the Panhandle to the Dallas/Fort Worth area. One-inch rains doused Mineral Wells and Dallas/Fort

Worth, with lesser amounts in Oklahoma, Kansas, and Arkansas. Storms carried one-half to 1 inch of rain from the Tennessee Valley to the middle Atlantic States.

**FRIDAY...**Intense weather spread over the southern tier of States from New Mexico to Alabama. Numerous tornadoes, heavy hail, and hard rains hit the region.

Nearly 3 inches of rain doused Alexandria, central Louisiana, and 1 to 2.5 inches soaked much of the remainder of the area, as well as parts of Oklahoma, Arkansas, and Tennessee.

Wilmington, southern North Carolina, noted a record-tying 90°--the third consecutive day of setting or equaling a record high temperature.

**SATURDAY...**Thunderstorms continued to rumble over the Deep South and as far north as the State of Missouri and the Ohio Valley.

A sampling of rainfall included an inch and one-half at Biloxi, southern Mississippi, 1.2 inches at Pensacola, in the Florida Panhandle, and a half-inch in Springfield, southern Missouri, Knoxville, eastern Tennessee, and Charleston, W. Va. Tornadoes were sighted in central Alabama.

Temperatures remained colder than normal in the North. Madison, Wisc., at 25°, penciled a new mark into the record books.

**SUNDAY...**Thunderstorms dotted the Ohio and Tennessee Valleys and moved into the middle Atlantic Coastal States. Tornadoes touched down in Georgia, Florida, and Virginia, and very large hail pummeled portions of central and eastern Virginia and central North Carolina.

The heaviest rainfall of the day showed 2.3 inches at Salisbury, eastern Maryland, and an inch and one-quarter at Fayetteville and Goldsboro, in North Carolina.

Showers were scattered over parts of the Great Lakes, Ohio Valley, and Pennsylvania through southern New England.



## National Agricultural Summary

April 21 - 27

**HIGHLIGHTS:** Hot, dry weather throughout much of the Nation enabled rapid progress of plowing and planting activities. Most of the western and west north central States received very little precipitation. South central and eastern States received rainfall at week's end. Farmers generally had 4 to 6 days suitable for fieldwork. Plowing in the Corn Belt fell only slightly behind schedule, except Indiana, at 70%, lagged the average by 10 points. Iowa farmers at 85%, were 13 points ahead of the average. Winter wheat rated good, except in the northern Plains where conditions deteriorated due to lack of moisture. Jointing extended as far north as Kansas. Spring wheat seeding in the five major producing States stood at 36%, well ahead of last year's late season 5% and slightly ahead of the 22% average. Oats seeding lagged the average in the eastern north central States, but was ahead of normal in western parts of the region. Barley seeding continued at a rapid pace with the six major producing States showing 47% seeded, compared with only 11% last year and the average of 33%. Cotton planting in the 14 major producing States reached 28%, 1 point ahead of last year. Excluding California and Arizona, cotton planting stood at 17%, ahead of last year's 16% but short of the 21% average. Corn planting stood at 10%, compared with 6% last year and the 12% average. Grain sorghum planting reached northward into Missouri. For the seven major producing States, progress stood at 24%, ahead of last year's 20% but just slightly behind the 25% average. Most of the planted acreage still remains in Texas where 66% of the crop is planted, compared with 56% last year and the average of 69%. Excluding California, rice seeding in the major producing States stood at 50%, falling between 1979's 43% and the 65% average. Pastures rated fair to mostly good, although dry soils slowed growth in many areas. Fuel supplies held steady from the previous week. LP gas stood at 2% tight, 94% adequate, and 4% surplus. Diesel fuel rated 4% tight, 92% adequate, and 4% surplus. Gasoline scored 4% tight, 92% adequate, and 4% surplus.

**SMALL GRAINS:** Winter wheat rated fair to mostly good throughout major production areas. Kansas reported growth improving with the mild weather. On the northern Plains, conditions deteriorated due to lack of moisture. In Texas, dryland stands suffered from dry soils and some low Plains fields headed prematurely. Texas irrigated fields grew well with most fields on the low Plains in the boot stage and some beginning to head. In central and southern Texas, most fields were heading, but additional moisture is needed for development. Spring wheat seeding reached 36%, well ahead of last year's late season 5%, and slightly ahead of the 22% average. Only Montana and North Dakota producers failed to pass the halfway mark. Minnesota producers planted 41% of the acreage during the week, South Dakota producers 35%, and Idaho producers 30%. Oats seeding ranged from 15% in Michigan to 92% in Iowa. Seeding lagged the average in the eastern north central States but was ahead of normal in the west north central States.

**CORN:** Corn planting stood at 10%, ahead of last year's 6% but behind the 12% average. Only South

Dakota reported no corn planted of the 17 major producing States. The east north central States reported 5% planted, compared with 2% last year and the average of 9%, and the west north central States reported 7% planted, compared with 1% last year and the average of 6%. Most activity centered in the Southeast where 65% of the crop was in the ground, short of the 74% for last year and the 71% average.

**COTTON:** Cotton planting reached 28% complete in the 14 major producing States, 1 point above last year. Planting in the Southwest was well advanced and stood at 84% in California and 77% in Arizona. Texas cotton planting centered in the Blacklands and Cross-Timbers and was moving to the Plains where preplant activities are moving at a rapid rate. Low temperatures in South Texas delayed crop growth although replanting should be minimal.

**OTHER CROPS:** Grain sorghum seeding reached 24% in the seven major producing States, compared with 20% last year and the average of 25%. Seeding in Texas reached 66%, ahead of last year's 56% but slightly behind the 69% average. Texas planting began to advance on the Plains and Cross-Timbers. Insects continued to cause problems in southern Texas areas. Oklahoma growers had 60% of the sorghum acreage ready to plant, 5 points ahead of last year and the average.

Rice seeding, excluding California, reached 50%, 7 points ahead of last year but 15 points below the average. In Texas, where 94% of the crop has been planted, dry, open weather has triggered rapid progress.

Peanut planting in the six major producing States reached 14%, behind last year's 26% and the average of 28%. Progress ranged from less than 5% in Oklahoma to 22% in Georgia.

**FRUITS & NUTS:** Eastern growers reported peach trees ranging from pink to just past full bloom. Most trees began leafing out in southern areas. Texas pecans continued to bud and leaf out in the northern areas, while trees are in full leaf in southern areas.

Florida citrus groves rated excellent as trees set new crop fruit and put on new growth. Florida growers harvested Valencias. Arizona citrus groves were in good condition as growers continued harvesting grapefruit and Valencias.

**VEGETABLES:** Scattered hail damaged Florida vegetable crops in the southwest and Hastings growing areas. Florida vegetable shipments were up 5% from last week, although shipments of cabbage, cauliflower, celery, escarole, and strawberries decreased. Supplies of sweet corn, cucumbers, and okra increased considerably. In Texas, watermelons and cantaloupes have about recovered from the cold weather and wind damage of the previous week. Cool weather in many parts of Texas is causing vegetables to get off to a slow start.

**PASTURES & LIVESTOCK:** Pastures generally rated fair to good, although dry soils slowed growth in many areas. Ranchers continued turning herds onto rangelands in northern areas. Calving and lambing were practically complete except in extreme northern parts of the Nation. Most areas reported only light losses of the newborn.

Weather Data for the Week Ending April 27, 1980

States and Stations	Temperature °F						Precipitation					Relative Humidity, percent		Number of Days			
	Average maximum	Average minimum	Extreme high	Extreme low	Average	Departure from normal	Weekly total, in.	Departure from normal	Greatest in 24-hour, in.	Total, in., since March 3	Pct. normal since March 3	Average maximum	Average minimum	Temperature °F		Precipitation	
														90 and above	32 and below	.01 inch or more	.50 inch or more
ALA. Birmingham . . .	81	53	89	47	67	1	2.6	- 1.6	2.1	22.9	227	94	39	0	0	3	1
Mobile . . .	83	61	89	53	72	2	.6	- .6	.6	26.5	223	84	42	0	0	1	1
Montgomery . . .	80	57	86	52	69	1	1.4	.5	1.4	14.6	151	90	46	0	0	1	1
ALASKA. Anchorage . .	49	34	51	31	41	2	.1	T	T	.5	62	79	46	0	0	1	3
Barrow . . .	9	-1	13	-6	-4	- 8	T	T	T	0	0	71	71	0	0	7	0
Fairbanks . . .	54	30	60	25	42	7	.1	- .1	T	.2	25	63	30	0	0	1	2
Kodiak . . .	45	38	49	36	42	3	1.6	- .7	T	.5	86	85	74	0	.5	2	0
Nome . . .	38	24	42	13	30	7	T	- .1	T	1.2	92	73	67	0	6	6	1
ARIZ. Flagstaff . . .	56	30	69	25	43	- 1	.2	- .1	T	1.2	173	83	36	0	6	3	0
Phoenix . . .	82	60	95	50	71	1	T	- .1	T	1.0	100	41	15	3	0	0	0
Tucson . . .	79	52	91	41	65	- 3	T	- .1	T	1.2	150	40	15	1	0	0	0
Winslow . . .	67	42	78	32	54	- 2	.2	- .1	T	1.0	125	--	--	0	0	3	0
Yuma . . .	82	56	92	48	69	- 4	0	0	0	.5	100	45	22	2	0	0	0
ARK. Fort Smith . . .	74	49	87	44	61	- 4	1.1	- .1	.8	5.2	68	94	50	0	0	3	1
Little Rock . . .	77	55	89	45	66	0	2.7	- 1.4	2.7	12.1	130	79	45	0	0	1	1
CALIF. Bakersfield . .	68	50	79	48	59	- 6	T	- .2	T	1.4	93	--	47	0	0	1	0
Eureka . . .	56	45	59	38	51	- 1	.5	- .1	.5	10.2	140	91	70	0	0	1	1
Fresno . . .	70	48	81	42	59	- 3	T	- .2	T	2.1	75	75	35	0	0	0	0
Los Angeles . . .	63	52	66	49	57	- 3	T	- .2	T	2.2	67	83	62	0	0	1	0
Red Bluff . . .	70	49	83	44	60	- 2	T	- .4	T	3.6	90	90	44	0	0	1	0
San Diego . . .	66	57	68	52	62	0	.5	.4	.4	3.5	152	78	58	0	0	3	0
San Francisco . . .	62	48	66	45	55	- 1	.1	- .2	.1	3.1	79	86	58	0	0	1	0
Stockton . . .	70	47	86	41	58	- 2	.2	- .1	.1	1.8	58	84	51	0	0	2	0
COLO. Denver . . .	62	42	81	33	52	1	1.6	1.1	1.3	3.2	110	70	37	0	0	2	1
Grand Junction . . .	72	43	81	37	57	- 2	.1	0	T	2.0	154	63	27	0	0	2	0
Pueblo . . .	67	38	89	31	52	- 3	1.9	1.5	1.7	3.4	200	99	37	0	2	3	1
CONN. Bridgeport . . .	57	44	66	39	50	- 1	.3	- .5	.3	12.5	195	64	47	0	0	1	0
Hartford . . .	63	42	70	32	52	1	.2	- .6	.1	10.2	148	77	40	0	1	2	0
D.C. Washington . . .	71	54	79	51	62	3	1.4	.7	.7	7.6	133	58	44	0	0	4	1
FLA. Apalachicola . .	81	63	85	54	72	2	1.6	.9	1.1	9.1	117	96	52	0	0	2	2
Daytona Beach . . .	86	59	91	54	73	2	T	- .5	T	4.5	82	92	38	1	0	1	0
Ft. Myers . . .	84	62	88	56	73	- 2	T	- .5	T	1.7	35	93	49	0	0	0	0
Jacksonville . . .	87	60	90	53	73	3	.6	- .1	.5	10.4	168	94	41	2	0	1	1
Key West . . .	82	71	85	65	77	- 2	2.1	1.6	1.9	2.9	81	76	56	0	0	2	1
Miami . . .	83	69	86	63	76	0	.1	- .9	.1	19.2	196	84	48	0	0	1	0
Orlando . . .	87	61	90	57	74	1	0	- .6	0	4.6	79	91	37	1	0	0	0
Tallahassee . . .	84	55	88	47	69	- 1	1.2	- .4	.8	16.7	184	95	44	0	0	2	1
Tampa . . .	82	64	83	56	73	- 1	0	- .4	0	6.3	111	92	57	0	0	0	0
W. Palm Beach . . .	84	62	91	55	73	- 2	T	- .8	T	3.9	62	93	47	1	0	0	0
GA. Atlanta . . .	82	58	91	51	70	6	T	- 1.0	T	13.0	135	74	36	1	0	1	0
Augusta . . .	86	53	93	45	70	3	0	- .7	0	12.9	172	87	32	2	0	0	0
Macon . . .	82	58	91	52	70	1	.1	- .7	0	14.3	174	90	42	1	0	1	0
Savannah . . .	86	59	92	51	73	4	.9	- .3	.8	11.4	170	81	33	2	0	2	1
HAWAII. Hilo . . .	--	--	--	--	76	4	2.0	- .9	--	54.8	225	--	--	0	0	--	--
Honolulu . . .	82	70	84	69	76	1	.5	.3	.3	3.9	89	80	55	0	0	3	0
Kahului . . .	--	--	--	--	78	4	.4	.2	--	--	--	--	--	0	0	--	--
Lihue . . .	--	--	--	--	74	0	.6	- .1	--	6.0	81	--	--	0	0	--	--
IDAHO. Boise . . .	69	46	77	42	58	6	1.0	- .7	.9	3.4	170	82	42	0	0	2	1
Lewiston . . .	71	52	84	47	62	9	.1	- .2	.1	1.6	84	72	44	0	0	2	0
Pocatello . . .	70	43	79	36	57	8	.2	- .1	.2	1.9	106	68	29	0	0	1	0
ILL. Cairo . . .	73	53	90	47	63	0	.2	- .9	.1	7.0	83	--	--	1	0	3	0
Chicago . . .	61	40	91	30	50	- 2	.2	- .7	.2	4.9	82	78	48	1	3	1	0
Moline . . .	70	42	92	30	56	1	0	- .9	0	3.9	67	73	26	1	1	0	0
Peoria . . .	67	43	88	36	55	0	0	- 1.1	0	5.5	82	67	37	0	0	0	0
Rockford . . .	65	41	91	29	53	1	T	- .9	T	3.5	58	75	41	1	2	0	0
Springfield . . .	69	45	88	33	57	0	T	- 1.0	T	6.4	98	82	44	0	0	0	0
IND. Evansville . . .	70	47	86	35	59	- 2	.4	- .5	.4	6.7	83	82	42	0	0	1	0
Ft. Wayne . . .	62	39	82	34	51	- 2	.2	- .6	.2	6.8	117	80	38	0	0	1	0
Indianapolis . . .	67	41	85	29	54	- 2	T	- .9	T	6.1	87	76	33	0	1	0	0
South Bend . . .	64	41	89	31	52	0	T	- .9	T	6.9	108	99	52	0	2	2	0
IOWA. Burlington . . .	69	46	89	37	58	3	0	- .9	0	4.8	80	--	--	0	0	0	0
Des Moines . . .	73	48	93	36	61	7	0	- .7	0	1.0	40	65	24	2	0	0	0
Dubuque . . .	68	44	93	34	56	4	T	- 1.0	T	2.9	45	64	34	1	0	0	0
Sioux City . . .	74	44	97	32	59	5	0	- .6	0	2.4	71	69	27	2	1	0	0
KANS. Concordia . . .	71	47	89	37	59	2	0	- .6	0	4.9	140	68	35	0	0	0	0
Dodge City . . .	69	47	93	39	58	0	1.2	- .7	.9	4.4	163	74	48	1	0	3	1
Goodland . . .	66	44	86	35	55	3	.5	- .1	.5	4.3	205	71	42	0	0	2	1
Topeka . . .	73	46	88	41	59	1	0	- .9	0	5.1	96	74	36	0	0	0	0
Wichita . . .	71	48	86	40	59	- 1	.1	- .7	.1	5.1	116	72	35	0	0	2	0
KY. Lexington . . .	67	45	81	35	56	- 2	.5	- .3	.3	8.6	107	74	41	0	0	3	0
Louisville . . .	72	46	86	35	59	0	.3	- .6	.3	6.8	80	78	36	0	0	2	0

Based on preliminary reports and 1941-70 normals

Weather Data for the Week Ending April 27, 1980

States and Stations	Temperature °F						Precipitation						Relative Humidity, percent		Number of Days			
	Average maximum	Average minimum	Extreme high	Extreme low	Average	Departure from normal	Weekly total, in.	Departure from normal	Greatest in 24-hours, in.	Total, in., since March 3	Pct. normal since March 3	Average maximum	Average minimum	Temperature °F		Precipitation		
														90 and above	32 and below	.01 inch or more	.50 inch or more	
LA. Baton Rouge	81	60	85	53	70	0	1.7	.5	1.7	23.0	245	86	45	0	0	1	1	
Lake Charles	78	56	82	51	67	-5	.7	1.1	10.1	138	94	52	0	0	0	1	0	
New Orleans	81	59	85	52	70	-1	1.3	0	25.7	289	84	46	0	0	2	1	1	
Shreveport	76	55	85	51	65	-4	1.3	0	8.7	101	94	62	0	0	0	1	1	
MAINE. Caribou	49	37	58	29	43	3	.7	.1	5.8	135	91	59	0	0	2	4	0	
Portland	56	37	64	27	46	0	.5	.3	9.1	142	80	49	0	0	1	6	0	
MD. Baltimore	68	48	74	40	58	1	2.3	1.6	1.3	8.3	136	73	44	0	0	6	0	
MASS. Boston	56	42	71	39	49	-3	.4	.4	8.6	126	81	54	0	0	4	0	0	
Chatham	51	41	59	37	46	-1	.8	-	8.1	119	89	68	0	0	0	5	0	
MICH. Alpena	51	32	63	24	41	-3	.1	.5	4.7	117	-	-	0	0	4	3	0	
Detroit	63	38	87	33	51	-1	.4	.4	7.7	145	73	40	0	0	4	0	0	
Flint	58	37	84	33	48	-2	.7	0	5.1	111	73	49	0	0	3	0	0	
Grand Rapids	63	39	86	30	51	1	.2	.6	5.0	93	97	51	0	0	3	0	0	
Houghton Lake	59	35	86	26	47	1	.2	.4	4.0	103	84	52	0	0	4	3	0	
Lansing	60	37	86	30	49	-2	.4	-	3.9	80	81	49	0	0	3	2	0	
Marquette	55	33	92	21	44	0	.9	.3	4.7	115	71	56	1	3	3	4	0	
Muskegon	58	40	79	27	49	0	.2	.5	5.0	96	90	47	0	0	2	2	0	
S. Ste. Marie	55	32	71	27	44	1	.1	.5	4.6	124	78	58	0	0	4	0	0	
MINN. Duluth	61	34	80	24	47	5	.7	.6	1.5	38	77	32	0	0	3	1	0	
Internat'l. Falls	69	39	90	29	54	11	T	T	1.3	52	61	24	1	2	2	0	0	
Minneapolis	71	44	95	31	58	8	T	T	1.7	52	68	29	2	1	1	0	0	
Rochester	70	40	91	29	55	6	T	T	0	53	73	33	2	2	0	0	0	
St. Cloud	71	39	96	29	55	8	T	T	1.3	39	84	--	2	1	1	0	0	
MISS. Jackson	79	54	88	48	67	-2	2.7	1.6	27.5	286	93	49	0	0	1	1	1	
Meridian	81	54	88	47	68	-1	1.9	.8	24.0	229	93	47	0	0	0	0	0	
MO. Columbia	70	47	85	37	59	0	0	1.0	0	85	72	41	0	0	0	0	0	
Kansas City	74	49	90	37	62	4	0	.8	0	5.1	82	67	1	0	0	0	0	
St. Louis	71	50	90	38	61	0	0	.9	0	4.6	83	75	36	1	0	0	0	
Springfield	68	47	84	42	57	-3	1.2	.1	6.8	100	83	52	0	0	2	1	1	
MONT. Billings	77	46	89	43	62	14	T	-	1.8	75	44	20	0	0	0	0	0	
Glasgow	74	42	87	36	58	10	T	-	.5	50	50	20	0	0	0	0	0	
Great Falls	75	45	80	37	60	12	.1	.2	1.3	68	56	20	0	0	0	0	0	
Havre	75	44	82	39	60	11	T	-	1.9	146	54	21	0	0	0	0	0	
Helena	73	43	77	38	58	11	T	-	1.3	100	68	34	0	0	1	0	0	
Kalispell	72	44	80	40	58	13	T	-	1.4	82	76	38	0	0	0	1	0	
Miles City	73	45	92	40	59	9	0	.4	1.0	59	50	21	1	0	0	0	0	
Missoula	73	44	80	37	59	11	.1	.2	1.4	93	78	37	0	0	2	0	0	
NEBR. Grand Island	72	44	92	31	58	4	0	.7	4.1	121	63	28	2	1	0	0	0	
Lincoln	73	44	90	34	58	3	0	.6	3.8	103	77	31	1	0	0	0	0	
Norfolk	73	44	95	33	59	6	0	.6	0	64	71	25	2	0	0	0	0	
N. Platte	74	43	94	34	59	7	0	.5	3.4	126	56	22	1	0	0	0	0	
Omaha	72	48	90	40	60	6	0	.7	2.9	73	64	28	2	0	0	0	0	
Valentine	70	40	96	27	55	5	T	.5	2.0	91	61	30	1	2	0	0	0	
NEV. Ely	61	33	70	27	47	3	.3	.1	2.1	124	79	30	0	5	1	1	0	
Las Vegas	78	53	88	46	65	-2	0	.1	.9	112	43	19	0	0	0	0	0	
Reno	65	38	79	33	52	2	.2	.1	1.1	122	79	31	0	0	2	0	0	
Winnemucca	68	40	83	32	54	6	.2	.0	.6	55	76	33	0	1	3	0	0	
N.H. Concord	61	33	66	21	47	-1	.3	.4	6.5	127	92	42	0	2	5	0	0	
N.J. Atlantic City	63	42	70	30	53	-2	.8	0	10.3	141	90	58	0	1	3	1	0	
Trenton	66	48	72	39	57	-2	.4	.3	10.4	162	--	--	0	0	2	0	0	
N.MEX. Albuquerque	66	39	78	31	52	-7	.6	.5	1.2	150	72	31	0	0	1	2	1	
Roswell	72	46	82	38	59	-3	T	-	.9	112	--	--	0	0	1	0	0	
N.Y. Albany	62	37	70	28	50	1	.1	.5	6.6	138	85	47	0	2	1	0	0	
Binghamton	60	38	66	31	49	1	.2	.6	10.2	185	77	36	0	1	3	0	0	
Buffalo	59	38	63	33	48	0	.2	.6	6.1	111	79	43	0	0	2	0	0	
New York	62	48	69	43	55	0	.2	.6	12.6	183	69	47	0	0	2	0	0	
Rochester	58	36	66	32	47	-3	.2	.4	5.2	108	83	42	0	1	2	0	0	
Syracuse	60	35	65	31	48	-3	.3	.4	6.9	121	91	42	0	2	2	0	0	
N.C. Asheville	77	50	86	41	64	5	.4	.4	3	12.8	166	91	36	0	0	3	0	
Charlotte	82	55	91	49	69	5	T	.7	10.2	138	78	34	1	0	0	0	0	
Greensboro	79	50	90	42	65	3	.4	.3	7.6	123	78	36	1	0	3	0	0	
Hatteras	74	58	79	49	66	5	.1	.6	8.5	135	89	56	0	0	1	0	0	
Raleigh	85	53	95	44	69	6	.2	.5	6.2	102	74	35	2	0	1	0	0	
Wilmington	85	59	93	48	72	6	.2	.5	5.7	88	74	36	3	0	1	0	0	
N.DAK. Bismarck	71	37	93	26	54	6	0	.4	0	.7	33	65	21	1	3	0	0	
Fargo	73	38	100	26	55	8	0	.6	0	.6	22	69	23	1	2	0	0	
Williston	73	40	92	33	57	10	0	.3	.5	29	63	16	1	0	0	0	0	
OHIO. Akron-Canton	63	39	76	34	51	-1	.1	.7	7.7	126	67	36	0	0	1	0	0	
Cincinnati	68	44	84	32	56	-1	T	.3	7.8	111	73	37	0	1	1	0	0	
Cleveland	59	36	77	33	48	-4	.1	.7	6.6	110	80	42	0	0	1	0	0	
Columbus	65	41	81	35	53	-3	T	.9	5.5	85	72	36	0	0	0	0	0	
Dayton	65	40	82	34	52	-2	.4	.4	7.8	126	77	39	0	0	1	0	0	
Toledo	64	38	85	31	51	-1	.7	0	6.7	134	83	41	0	2	2	1	1	
Youngstown	61	31	74	28	46	-5	.3	.6	7.5	119	80	38	0	4	1	0	0	

Based on preliminary reports and 1941-70 normals

Weather Data for the Week Ending April 27, 1980

States and Stations	Temperature °F						Precipitation					Relative Humidity, percent		Number of Days			
	Average maximum	Average minimum	Extreme high	Extreme low	Average	Departure from normal	Weekly total, in.	Departure from normal	Greatest in 24-hours, in.	Total, in., since March 3	Pct. normal since March 3	Average maximum	Average minimum	Temperature °F		Precipitation	
														90 and above	32 and below	.01 inch or more	.50 inch or more
OKLA.Okla. City . . .	71	49	83	44	60	- 4	1.3	.4	1.1	2.7	55	77	43	0	0	3	1
Tulsa . . .	75	53	90	44	64	0	2.7	1.6	1.1	6.9	113	76	47	1	0	3	3
OREG.Astoria . . .	59	42	67	36	51	1	.1	.8	T	11.0	107	81	61	0	0	2	2
Burns . . .	66	37	77	28	51	4	.1	.1	.1	1.1	85	83	36	0	1	3	0
Medford . . .	67	43	83	39	55	3	T	.2	T	3.0	125	90	42	0	0	1	0
Pendleton . . .	67	44	82	36	55	2	T	.3	T	1.7	94	86	48	0	0	1	0
Portland . . .	68	48	81	43	58	5	T	.5	T	5.7	106	85	51	0	0	2	0
Salem . . .	66	42	78	37	54	3	.1	.4	T	7.1	115	94	51	0	0	2	0
PA.Allentown . . .	67	45	74	34	56	3	1.1	.2	1.1	8.4	125	76	33	0	0	2	1
Erie . . .	54	33	64	28	44	- 4	.3	.5	.3	7.1	125	--	--	0	3	1	0
Harrisburg . . .	65	44	72	40	55	- 1	.7	0	.7	8.1	142	78	43	0	0	3	1
Philadelphia . . .	68	48	76	38	58	2	.6	.2	.5	9.4	145	67	43	0	0	3	1
Pittsburgh . . .	62	38	73	33	50	- 4	.4	.4	.2	8.5	133	80	41	0	0	2	0
Scranton . . .	65	42	73	34	54	2	.4	.4	.4	5.7	112	72	37	0	0	1	0
R.I.Providence . . .	60	42	71	37	51	0	.6	.2	.5	12.6	180	77	44	0	0	5	0
S.C.Charleston . . .	85	59	91	48	72	5	.1	.5	.1	11.3	161	76	44	2	0	1	0
Columbia . . .	85	54	92	42	69	2	T	.8	T	11.5	151	82	25	2	0	0	0
Greenville . . .	81	54	91	45	67	4	T	.9	T	14.4	158	80	34	1	0	1	0
S.DAK.Aberdeen . . .	72	41	97	28	56	7	T	.5	T	2.2	85	64	25	1	1	0	0
Huron . . .	71	40	97	27	55	5	T	.5	T	1.7	63	76	27	1	2	0	0
Rapid City . . .	67	40	92	31	54	5	.1	.5	.1	1.9	68	61	28	1	1	1	0
Sioux Falls . . .	70	44	93	31	57	6	T	.6	T	1.4	41	60	29	1	1	0	0
TENN.Chattanooga . . .	77	50	88	45	64	0	1.2	.3	.5	20.7	223	92	43	0	0	3	0
Knoxville . . .	77	54	87	47	66	2	.7	.1	.5	11.7	150	79	43	0	0	3	0
Memphis . . .	76	57	90	50	66	1	1.2	.1	.5	18.1	185	76	49	1	0	4	1
Nashville . . .	74	50	90	44	62	- 1	.2	.7	.1	10.5	124	84	47	1	0	3	0
TEX.Abilene . . .	79	54	87	43	66	- 2	T	.7	T	.8	26	63	27	0	0	2	0
Amarillo . . .	69	43	82	37	56	- 4	.3	.1	.3	2.0	118	72	32	0	0	3	0
Austin . . .	81	56	86	49	69	- 3	1.5	.6	1.5	5.3	106	85	34	0	0	1	1
Beaumont . . .	79	55	83	49	67	- 4	.1	1.0	.1	7.4	114	91	46	0	0	1	0
Brownsville . . .	84	62	93	55	73	- 4	T	.4	T	.1	6	89	43	1	0	1	0
Corpus Christi . . .	81	58	90	50	70	- 5	T	.6	T	.6	21	86	36	1	0	0	0
Del Rio . . .	84	59	90	52	71	- 3	T	.4	T	.7	--	61	21	1	0	0	0
El Paso . . .	76	48	86	42	62	- 4	T	.1	T	.5	71	47	18	0	0	1	0
Fort Worth . . .	77	54	85	48	65	- 3	1.1	0	.9	3.5	56	85	50	0	0	2	1
Galveston . . .	74	64	79	55	69	- 2	T	.6	T	4.3	90	86	58	0	0	1	0
Houston . . .	80	57	84	48	69	- 3	1.3	.4	1.3	7.0	123	92	46	0	0	1	1
Lubbock . . .	73	49	86	42	61	- 2	1.0	.6	.4	1.4	82	66	32	0	0	3	0
Midland . . .	75	46	87	40	61	- 6	.7	.4	.7	.9	82	73	23	0	0	1	1
San Angelo . . .	79	53	88	42	66	- 4	T	.5	T	1.2	52	69	23	0	0	0	0
San Antonio . . .	83	57	89	48	70	- 2	1.0	.3	1.0	2.5	66	80	31	0	0	1	1
Victoria . . .	81	57	86	50	69	- 4	T	.7	T	2.3	57	86	39	0	0	1	0
Waco . . .	76	53	81	45	64	- 6	1.8	.7	1.4	6.0	102	89	42	0	0	2	1
Wichita Falls . . .	78	49	90	40	64	- 3	.1	.8	.1	1.2	26	87	32	1	0	3	0
UTAH.Blanding . . .	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Salt Lake City . . .	71	48	81	37	59	7	.3	.2	.3	3.0	86	66	37	0	0	2	0
VT.Burlington . . .	57	37	64	29	47	0	.2	.4	.1	4.7	115	96	52	0	1	2	0
VA.Lynchburg . . .	75	52	91	45	63	4	.7	.1	.4	8.1	142	76	88	1	0	2	0
Norfolk . . .	72	51	82	45	62	1	1.1	.5	1.2	5.3	96	77	42	0	0	4	1
Richmond . . .	78	53	87	49	65	4	1.4	.7	.7	8.0	140	75	47	0	0	3	2
Roanoke . . .	75	52	91	42	64	5	.5	.2	.3	9.7	170	88	26	1	0	3	0
WASH.Colville . . .	72	45	81	40	59	10	T	.2	T	3.1	172	--	--	0	0	1	0
Omak . . .	74	44	83	36	59	8	T	.3	0	1.7	106	60	39	0	0	1	0
Quillayute . . .	61	40	70	36	50	3	.5	1.2	.4	18.2	103	96	49	0	0	3	0
Seattle-Tacoma . . .	63	44	74	41	54	3	T	.5	T	5.1	91	82	42	0	0	0	0
Spokane . . .	69	45	81	40	57	8	.1	.2	.1	1.4	54	83	44	0	0	1	0
Walla Walla . . .	69	50	85	42	60	5	.1	.3	.1	2.0	74	74	48	0	0	1	0
Yakima . . .	73	44	84	34	59	6	T	.1	T	1.2	150	78	32	0	0	1	0
W.VA.Beckley . . .	67	45	81	38	56	2	1.4	.7	.9	6.8	97	84	41	0	0	3	1
Charleston . . .	68	45	84	38	57	- 3	1.2	.4	.8	8.4	124	78	41	0	0	2	1
Huntington . . .	68	48	84	37	58	- 1	.9	.1	.4	7.5	109	78	39	0	0	2	0
Parkersburg . . .	65	44	79	38	54	- 4	.6	.2	.3	6.8	103	78	42	0	0	2	0
WISC.Green Bay . . .	62	39	89	24	51	3	.2	.5	.2	3.4	85	85	46	0	2	1	0
La Crosse . . .	71	46	93	30	59	7	0	.7	0	2.4	56	63	28	2	1	0	0
Madison . . .	65	36	94	25	51	1	T	.6	T	2.9	69	76	38	1	3	0	0
Milwaukee . . .	60	39	91	29	49	1	.2	.4	.1	4.3	93	81	52	1	2	2	0
WYO.Casper . . .	65	35	80	23	50	4	.1	.3	.1	1.6	70	74	26	0	3	1	0
Cheyenne . . .	60	37	79	29	48	2	.3	.1	.3	2.0	80	75	38	0	3	2	0
Lander . . .	65	41	79	37	53	6	.8	.2	.4	3.2	97	70	33	0	0	2	0
Sheridan . . .	70	40	84	28	55	8	0	.6	0	1.6	50	67	25	0	2	0	0
P.R.San Juan . . .	86	76	93	74	81	3	1.4	.5	.9	4.0	83	87	62	2	0	3	1

Based on preliminary reports and 1941-70 normals

## State Summaries of Weather and Agriculture

These summaries provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by ESCS State offices in cooperation with the National Weather Service.

**ALABAMA:** Thunderstorms 25th, 26th; heaviest west and north central. Temperatures 1° above normal; dry, warm; highs around 90° before weekend, 11° subnormal after.

Fieldwork: 5.5 days suitable. Soil moisture adequate. Activity: Plowing; corn, cotton planting. Planting progress: Corn 60%, 56% 1979, 55% average; cotton 40%, 18% 1979, 49% average; peanut# 18%, 27% 1979, 30% average; sorghum 6%, 11% 1979; wheat 60% headed, 56% 1979, 69% average; 6% turning.

**ARIZONA:** Precipitation ranged from traces to 0.50 in. Temperatures averaged 1 to 4° below normal.

Small grains making good progress. Harvest approximately 2 weeks away western Arizona. Cotton 77% planted, 73% last year. Corn 45% planted. Good progress continues safflower, sugarbeets. Alfalfa haying continued. Yuma area started 3d cutting, rest of state 1st, 2nd cuttings. Lettuce harvest full swing central areas, virtually complete west. Late spring mixed vegetable harvest good progress. Watermelons, cantaloups excellent progress. Grapes, deciduous fruit good growth. Grapefruit, valencia orange harvest continued, groves appear good condition, bloom tapering off. LP gas adequate. Diesel, gasoline adequate northern, western areas while other areas tight to adequate. Range, pasture conditions mostly fair. Water supplies adequate. Soil moisture short to adequate. Pastures supplying average amounts feed. Cattle remain mostly fair condition.

**ARKANSAS:** Temperatures near normal. Extremes: 90 and 39°. Rainfall received statewide. Amounts from 0.02 in. to 2.72 in.

Rice, cotton and corn planting dominated field activity. Warm weather dried fields. Fieldwork: 5.0 days suitable. Soil moisture adequate. Diesel, gasoline and LP gas adequate. Soybeans 2% planted, 19% 1979, 3% average. Rice seeding 22% completed, 21% 1979, 51% average. Cotton seeding 10%, 4% 1979, 17% average. Corn planting 41%, 38% 1979, 58% average. Sorghum 18% planted, 13% 1979, 33% average. Wheat and oats condition good. Spraying, pruning apple, peach trees. Strawberries, watermelons excellent condition. Limited strawberry harvest. Tomatoes good condition. Pastures average condition. Fescue growth excellent. Alfalfa growing well. Problems with alfalfa weevils. Cattle condition good.

**CALIFORNIA:** Varying amounts of rainfall over entire state. Temperatures below normal.

Cotton planting continued active, 84% in ground, 87% last year. Early desert wheat harvest in about one week. Winds lodged grain scattered locations southern San Joaquin Valley. Majority of grain headed. Rice planting active. Alfalfa and grain harvest for hay and green chop active. Native hay harvest begun. Sugarbeet harvest continued. Land preparation, planting field corn, dry beans active. Irrigating, cultivating and fertilizing orchards and vineyards continued. Harvest of oranges and desert grapefruit continued. Artichoke, asparagus harvest active. Broccoli, cauliflower movement decreased. Celery increasing. Early sweet corn delayed by cool weather Coachella Valley. Lettuce harvest active. Melon planting continued. Bell pepper hotcaps removed, crop normal. Sweetpotato planting underway. Winter spinach about complete. Strawberries slowed by cool weather. Range and

pastures provide ample feed. Low elevation grasses maturing and drying rapidly. Calving nearly completed. Fuel supplies are generally adequate for spring farming activities.

**COLORADO:** Precipitation received 1.00 to 2.00 in. Temperatures averaged 4 to 6° above normal.

Winter wheat good to very good condition. Barley seeded 66%, 59% 1979, 77% average. Oats seeded 45%, 33% 1979, 61% average. Corn seeded 3%, 11% 1979, 19% average. Sugarbeets 47%, 55% 1979, 61% average. Fieldwork: 4 days suitable. Ranges and pastures good condition. Livestock good condition. Soil moisture supplies adequate. Fuel supplies adequate.

**FLORIDA:** Rainfall averaged from less than 0.25 in. to over 1.50 in. Highs were mostly in the 80's and lows were mostly 50's north to 60's south.

Soil moisture mostly adequate Peninsula, few dry areas south and central. Growth of corn slow due cool nights, excessive moisture, planting nearing completion. Tobacco condition fair, blue mold a problem. Peanut planting underway central counties. Land being prepared for planting soybeans. Sugar-cane fair to good condition. Fuel supplies mostly adequate. Pastures good to excellent Panhandle and central areas, poor to fair elsewhere. Cattle fair to good. Citrus grove condition very good to excellent condition. Rain needed all areas, some stress due to dryness. New crop fruit still dropping as trees adjust to the size crop they can carry for upcoming season. A cold front early in the week moved through vegetable areas. The front was preceded by showers, some locally heavy and scattered hail. Damage from hail more severe in the southwest and Hastings growing areas than other areas. General crop condition fair to very good. Weather ideal for good growth, progress. Quality, size, yields continue fair to very good but variable some crops. Fruit setting, sizing well. Overall vegetable shipments up 5% from previous week. Supplies sweet corn, cucumbers, okra increased considerably; chinese cabbage, lettuce, peppers, potatoes also increased. Snap beans, carrots, eggplant, parsley, radishes, squash, tomatoes held steady but shipments, cabbage, cauliflower, celery, escarole, strawberries decreased. Potato harvest nearing completion Dade County. Quality good. Harvest about complete southwest area. Spring potato digging west central area continued. Size, yield improving. Severe hail storm Hastings area 19th destroyed or damaged sizeable acreage in Flagler County. Light harvest expected this week. Strawberry season over. All fields open for U-Pic. Watermelon harvest continued very light southwest area, increasing slowly. Small acreage lost and some damaged by hail. Crop progressing well west central area. Light harvest expected mid-May. Crop progress fair as cold nights slowing growth north central area. Crop condition poor to fair north as excessive moisture causing some problems. First harvest expected early June. Crop progress slow west area due to excessive moisture, cool nights.

**GEORGIA:** Dry north and central with amounts locally over 2.00 in. and generally more than 1.00 in. south. Temperatures averaged 2 to 5° above normal.

Soil moisture adequate. Fieldwork: 5 days suitable. Planting and land preparation very ac-

tive. Corn 74% planted, last year 92%, average 84%, mostly fair to good condition. Tobacco 85% transplanted, last year 100%, average 97%; poor to fair condition. Watermelons 77% planted, last year 88%, average 88%, fair to good condition. Cotton 28% planted, last year 72%, average 61%. Peanuts 22% planted, last year 52%, average 51%, fair to mostly good condition. Soybeans 3% planted, last year 5%, average 6%, good condition. Sorghum 11% planted, last year 19%. Small grains fair to mostly good. Peaches fair to mostly good. Apples good condition. Vegetables fair to good condition. Cattle and hogs good. Pastures good. LP gas 95% adequate, diesel fuel 93% adequate, gasoline 95% adequate.

**HAWAII:** Weather improved and favorable. Most sections showers were light, beneficial to growing areas. However, Waimea District, Island of Hawaii remains wet causing yield reductions to some crops. All sugar mills in operation. Vegetable supplies increasing and green onion harvest up. Banana supplies continue light. Papayas projected to increase further. Orchards are in heavier harvesting stage. Rains beneficial. Pineapples steady harvesting. Sugar drier weather favorable. Harvesting more active. Pastures generally fair to good. Fuel supplies adequate.

**IDAHO:** Temperatures 7 to 13° above normal. Extremes: 38 and 87°. Precipitation spotty. Heaviest in southwest with Boise reporting 0.99 in. Other areas 0.18 to 0.58 in.

Spring wheat 80% planted, 50% 1979, 55% average. Spring barley 80% planted, 40% 1979, 55% average. Potatoes 15% planted, 0% 1979, 15% average. Dry peas 70% planted, 25% 1979, 45% average. Sugarbeets 85% planted, 65% 1979, 70% average. Lentils 65% planted, 10% 1979, 35% average. Planting well ahead of 1979. Earlier seeded fields responded well to warm, sunny weather and showers late in the week. Winter wheat fair in north but good in all other areas. Planting of onions winding down. All fruit trees, including apples, in bloom or past bloom. Cattle and sheep being moved to ranges which were in need of moisture prior to rains.

**ILLINOIS:** Temperatures 2° below normal to 5° above normal. Precipitation 0.10 to 0.25 in. north and east, 0.50 extreme south. Soil moisture adequate. Corn planting 8% complete, 1% 1979, 14% average. Winter wheat 21% excellent, 73% good, 6% fair. Oat seeding 80% complete, 65% 1979, 85% average. Alfalfa 16% excellent, 76% good, 8% fair. Plowing: 1980 corn, soybean acreage 85% complete, 74% 1979, 84% average. Pastures good; supplying 48% livestock roughage requirements, 47% 1979, 56% average. Fieldwork: 5.8 days suitable.

**INDIANA:** Temperatures averaged 2° below normal. Extremes: 25 and 89°. Precipitation 0.10 to 0.40 in. Soil temperatures normal.

Fieldwork: 5.0 days suitable. Topsoil and subsoil moisture mostly adequate. Spring planted cropland 70% plowed, 1979 70%, average 80%. Corn 5% planted, 1979 2%, average 7%. Wheat good condition. Wheat 7 in. high, 1979 7 in., average 9 in. Wheat 15% jointed or later, 1979 20%. Oats 50% seeded, 1979 55%, average 75%. Clover 70% seeded, 1979 85%, average 85%. Tobacco beds 90% planted.

**IOWA:** Early week record-breaking heat ended on the 23rd followed by more normal temperatures. Rainless week passed across the state extending the rainless period to 2 weeks or longer over most of Iowa.

Fieldwork: 6.9 days suitable. Corn acreage planted: 9%, 1979 0%, normal 6%. Oat acreage

seeded: 92% complete, 1979 54%, normal 67%. Oat acreage 26% emerged. Plowing: 85% complete, 1979 82%, normal 72%. Topsoil and subsoil moisture adequate. Cover crops mostly good condition. Livestock in good condition, replacements slow, tight money

**KANSAS:** Precipitation averaged 1.20 in. in southwest, none in northeast. Temperatures averaged from 52 to 60°, normal southwest and south central and 3 to 5° above normal north. Wheat growth improving with mild weather. Acreage at 30% jointed 35% last year, 60% average. Thin stands common, weed control needed. Tan spot and soil-borne mosaic prevalent east two-thirds. Oat seeding 85% complete, 75% last year, 90% average. Barley 80% seeded, 85% last year, 95% average. Corn 8% planted, 6% last year, 15% average.

**KENTUCKY:** Temperatures averaged slightly above normal. Precipitation averaged around 0.50 in.

Fieldwork: 5.5 days suitable. Progress 6 days behind normal. Soil moisture adequate. Plowing 65% complete. Corn planting 18% complete, 6% last year, 24% normal. Plants emerged in 55% tobacco beds. Fuel supplies generally adequate.

**LOUISIANA:** Rain statewide end of week, heaviest 6.11 in. Temperatures 2 to 3° below normal. Extremes: 48 and 88°.

Soil moisture adequate to surplus. Fieldwork: 4.6 days suitable. Corn planting 63%, 75% 1979, 78% average; emerged 40%, 71% 1979; condition fair. Rice planting 66%, 66% 1979, 75% average; emerged 54%; condition good. Sugarcane fair, growth improved. Herbicide and fertilizer application active. Small grains good, 46% headed. Pastures, livestock good. Vegetables fair. Sweetpotato planting light. Volume harvest strawberries. Sorghum planting light.

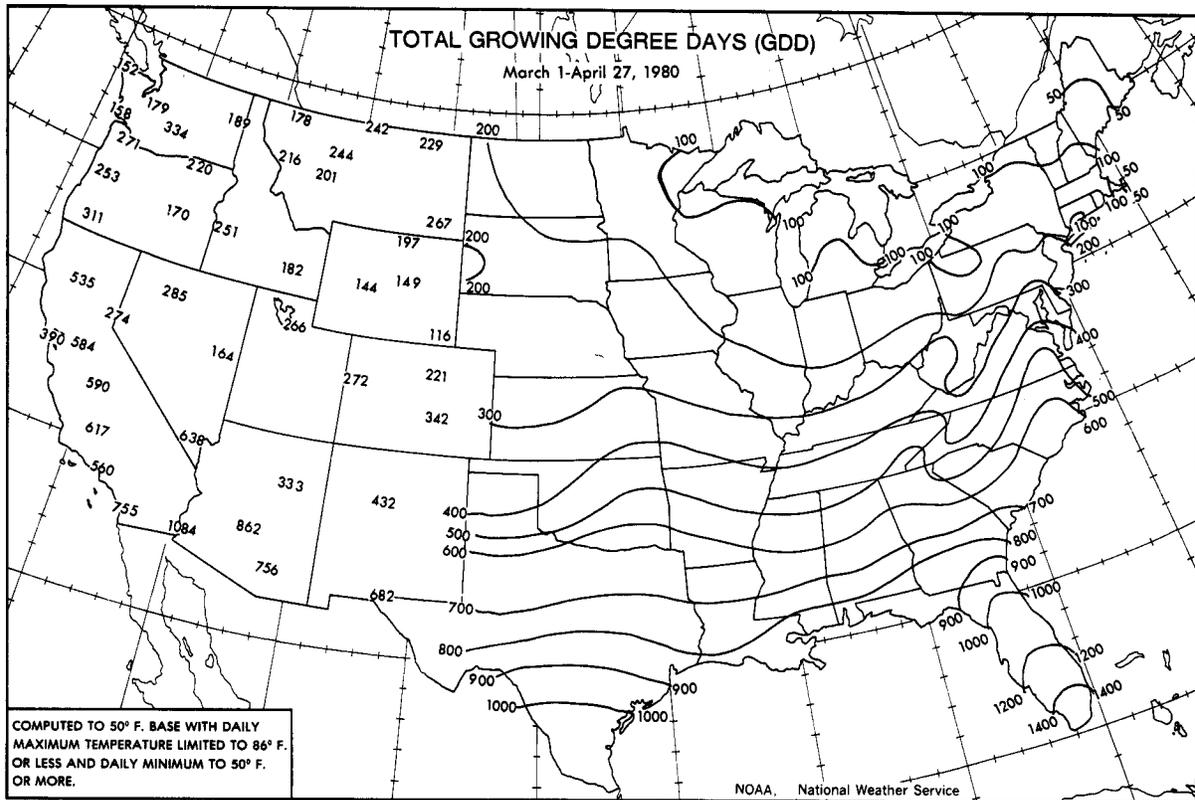
**MARYLAND & DELAWARE:** Temperatures averaged 4° above normal. Highs in the 70's and lows in the upper 40's. Precipitation averaged 0.26 in.

Plowing for corn 70% completed. Corn planting has begun in some parts of the State. Small grains good condition. Nearly all of the spring oats have been planted in most localities. Green peas and Irish potatoes 75% planted. Peaches and strawberries in full bloom.

**MICHIGAN:** Record high temperatures 22nd followed by record lows 24th. Precipitation 0.10 to 0.90 in. Most fell as snow and rain at midweek. Fieldwork: 3 days suitable. Plowing 45% complete, same last year and normal. Corn 2% planted, 1% last year, 3% normal, 1% last year's crop still to be harvested. Fertilizer and fuel supplies adequate. Soil moisture mostly adequate to surplus. Winter wheat damage below average to average. Oats over 15% planted, 24% last year, 45% normal. Sugarbeets less than 10% planted, 12% last year and 41% normal. Potatoes 2% planted, 4% last year, 12% normal. Apples green tip. Peaches green tip to delayed dormant. Sweet and tart cherries green tip. Asparagus harvest to begin in southwest May 1.

**MINNESOTA:** Temperatures averaged 8 to 10° above normal. Extremes: 100 and 23°. Precipitation averaged 0.40 in. or more below normal. Precipitation totals 0.02 in. or less.

Dry conditions pushed small grain seeding. Corn planting beginning. Few small grain fields emerging. Topsoil moisture short northwest, west central; mostly adequate elsewhere. Corn 3% planted, 1979 0%, normal 4%. Spring wheat 51% planted, 1979 1%, normal 31%. Oats 44% planted, 1979 6%, normal 34%. Barley 42% planted, 1979 0%, normal 22%.



Sugarbeets 70% planted, 1979 0%, normal 19%. Potatoes 6% planted, 1979 0%, normal 5%.

**MISSISSIPPI:** Temperatures near normal. Rainfall from 0.42 to 3.83 in.

Soil moisture mostly adequate. Fieldwork: 4.6 days suitable. Rains returned 25th and stopped most fieldwork. Plowing 51% completed. Soybean planting just begun with only a few fields planted. Sorghum 2% planted, 3% 1979. Peanuts 3% planted, 1% 1979. Sweetpotatoes 2% planted, 5% 1979. Watermelons 65% planted, 76% 1979. Cotton 12% planted, 7% 1979, 25% average. Corn 50% planted, 52% 1979, 58% average; 24% up to stand, 38% average; condition fair to good. Rice 42% planted, 21% 1979, 52% average; 5% up to stand, 9% 1979, 18% average. Wheat 59% headed, 74% 1979; 2% ripe, 2% 1979; condition good to fair. Peaches fair to good condition. Pasture good to fair condition. Fuel supplies adequate.

**MISSOURI:** Temperatures averaged 4° above normal. Little precipitation in southern third, none elsewhere. Precipitation levels below normal for month.

Fieldwork: 5.1 days suitable. Plowing 75% complete, last year 64%, normal 71%. Oats 51% sown, last year 40%, normal 84%. Corn 17% planted, last year 5%, normal 30%. Grain sorghum 3% planted, last year 1%, normal 4%. Soybeans 1% planted, last year 0%, normal 2%. Cotton 8% planted, last year 3%, normal 16%. Wheat 1% headed, last year 0%, normal 12%. Condition of wheat and pasture mostly fair to good. Topsoil moisture supplies adequate. Fuel supplies adequate.

**MONTANA:** Record breaking temperatures early in week. Maximum temperatures in 90's. Temperatures averaged 10 to 15° above normal. No precipitation over much of eastern Montana, moderate over parts

of the west and along the east slopes of the Divide. Amounts of 0.25 to 0.50 were common.

Moisture supplies mostly short. Fieldwork: 7 days suitable. Winter wheat condition fair, winterkill light. Spring wheat 40% planted, barley 35%, oats 30%, sugarbeets 55%, corn 10%, potatoes 5%, dry beans 20%. Calving 85%, lambing 75%, shearing 70% complete. Range feed supplies short. Stockwater supplies short to adequate.

**NEBRASKA:** Precipitation light averaging less than 0.20 in. Temperatures averaged 5° above normal.

Oats planting 90% complete; year ago 90%; normal 76%. Winter wheat condition rated as 15% excellent; 55% good; 29% fair; 1% poor. Corn planted 5%; last year less than 5%; average less than 5%. Topsoil and subsoil moisture adequate. LP gas, diesel, and gasoline supplies adequate. Fieldwork: 6.8 days suitable.

**NEVADA:** Shower activity early and midweek. Sunny skies and warm remainder of week. Temperatures averaged 5 to 8° above normal north and east, near normal south and west. Extremes: 94 and 25°.

Alfalfa hay harvest gaining momentum southern valleys. Limited movement livestock to summer ranges. Some seeding small grains extreme south.

**NEW ENGLAND:** Large ocean storm dominated weather early week, 0.50 in. rain. Rainfall of 0.10 to 0.30 in. 25th and 26th. Temperatures near normal.

**NEW JERSEY:** Temperatures averaged near normal. Extremes: 27 and 78°. Rainfall averaged 0.77 in. north, 0.96 in. central and 0.83 in. south. Soil moisture in percent of field capacity 91% north, 84% central and 32% south. Soil temperatures 51° north, 54° central and 57° south.

Fieldwork: 5.9 days suitable. Fieldwork active during the period until weekend showers halted

machine work. Asparagus volume very limited. Spinach supplies good. Early "greens" being harvested. Apples in pink-bud stage. Peaches in petal fall stage in southern areas. Strawberries beginning to bloom. Some field corn planted. Fall planted grains in good condition.

**NEW MEXICO:** Scattered showers northern mountains early week. Strong storm with widespread rain and snow north and central sections. Severe thunderstorms east Plains.

Soil moisture short most areas. Planting of cotton, grains underway, ranchers working cattle. Cotton crop 35% planted, 50% 1979, 50% average. Alfalfa fair to good condition. Irrigated wheat and barley good, 75% jointed; dryland crop poor. Corn planting continued, some plants emerging in warmer areas. Vegetable crops generally good condition. Ranges, sheep fair to good condition. Cattle good.

**NEW YORK:** Precipitation generally 0.50 in. below normal. Temperatures averaged below normal. Good fieldwork conditions. Plowing underway, oat planting 10% complete. Hay and winter wheat wintered well. Vegetable planting active. Onions 50 to 75% planted. Lettuce, celery transplanting progressing. Apple orchards wintered well. Sweet cherry bloom expected 7 to 10 days.

**NORTH CAROLINA:** Temperatures 5 to 8° above normal. Precipitation light with showers and thundershowers over the weekend, some hail.

Fieldwork: 5.9 days suitable. Soil moisture adequate. Wheat, oats, barley, rye mostly good, improving; tobacco beds mostly good, declining; Irish potatoes fair to good, improving; peaches mostly good. Tobacco plant supply 92% adequate, 8% short. Plantings: Corn 69%, 75% 1979, 72% average; cotton 28%, 41% 1979, 32% average; Irish potatoes 88%; peanuts 5%, 4% 1979, 8% average; soybeans 2%, 4% 1979, 3% average; flue tobacco 19%, 29% 1979, 28% average; sorghum 2%, 10% 1979; summer cabbage, summer snap beans 20%; watermelons, spring cucumbers, green peppers over one half; tomatoes, spring snap beans over one third; spring cabbage complete. Major activities: Spring planting and land preparation.

**NORTH DAKOTA:** No rain measured anywhere in state. Frost still in ground, some lakes had ice. Temperatures averaged 8 to 12° above normal. Extremes: 23° southwest portion to 100° Fargo and Grand Forks.

Seeding continued ahead of average. Hard red spring planting 32% completed compared 14% average; durum 18%, 7% average; oats 30%, 10% average; barley 27%, 10% average; sugarbeets 74% planted. Row crop planting started with corn 2% and sunflower 1%. Potato planting begun. By comparison, no crops seeded by this date last year. Soil moisture shortage increased during week. Soil moisture not adequate to germinate seed on continuous crop ground many locations. Livestock good to excellent condition. Calving losses light. Pastures mostly poor.

**OHIO:** Temperatures changed from very warm early in the week to quite cool during the latter half of the week. Extremes: 26 and 35°. Average temperatures were from 5° below to 1° above normal. Precipitation ranged up to 1.00 in.

Soil temperatures averaged low to mid 50's. Fieldwork: 5.5 days suitable. Pastures fair to good. Soil moisture adequate. Corn planted 5%, 1979 5%, average 10%. Potatoes planted 10%, 1979 30%, average 40%. Sugarbeets planted 15%, 1979 10%, average 60%. Oats planted 45%, 1979 50%, average 75%.

**OKLAHOMA:** Temperatures averaged 2 to 4° below normal except northeast where temperatures near normal. Precipitation ranged from 0.68 to 3.48 in.

Rainfall beneficial to small grains, pastures, ranges. Alfalfa weevils, aphids, dry soil conditions dampening first cutting prospects. Cool spring temperatures and insufficient moisture supplies slowed wheat, pasture, and range development. Wheat jointing 80%, 95% 1979, 95% average. Wheat heading 5%, 10% 1979, 30% average. Seedbed preparations: Cotton 50%, 55% 1979, 55% average; sorghum 60%, 55% 1979, 55% average; corn 90%, 95% 1979, 90% average. Corn planted 20%, 20% 1979, 25% average. Corn up to stand 5%, 10% 1979, 5% average. Fieldwork: 5.2 days suitable.

**OREGON:** Temperatures 0 to 10° above normal. Precipitation 1.00 to 3.00 in. along coast; 1.00 to 1.50 in. in western valleys; 0.10 or less in east.

Soil moisture supply adequate to surplus west; adequate east. Winter wheat condition good; some spotty areas and disease. Planting, reseeding, spraying and fertilizing virtually complete except higher elevations. Irrigation being used. Sweet cherries mostly past full bloom. Lower Hood River pears in full bloom. Spray programs continuing. Pollenization weather not ideal as a result of intermittent rains. Strawberries, caneberries, and cranberries developing normally; spray programs underway. Onion and pea plantings nearly complete. Potatoes going in early areas. Fields too wet; slowing planting progress. Livestock, range and pasture conditions mostly good. Grass growth good to excellent.

**PENNSYLVANIA:** Temperature extremes: 22 and 76°. Precipitation amounts from less than 0.25 in. extreme southwest and north central to 1.5 to 2.0 in. parts of southeast.

Fieldwork: 5.0 days suitable. Soil moisture mostly adequate. Activities: Discing; plowing; spreading lime, fertilizer, manure; spraying; fence repair; planting oats, corn, potatoes, soybeans, alfalfa, sweet corn and strawberries. Plowing 46%, last year 50%. Oats 47% planted, last year 48%. Potatoes 9% planted, behind last year's 26%. Tobacco beds virtually complete. Corn 5% planted, ahead of last year's 4%, behind the 8% normal. Soybeans 6% planted. Barley and wheat in pre-boot stage, last year less than 5% in boot. Hay conditions mostly good to fair. Peaches 33% pink, 22% full or past. Cherries 27% pink, 27% full or past. Apples 17% pink.

**PUERTO RICO:** Island average rainfall 0.67 in. or 0.58 in. below normal. Temperatures averaged about 78 to 79° on coasts and 73 to 75° interior. Extremes: 93 and 52°.

**SOUTH CAROLINA:** Above normal temperatures. Light scattered showers. Scattered hail up to 1 in. diameter fell in northeast 27th.

Soil moisture adequate. Corn condition fair to good, some acreage diverted to other crops; planting rapidly, now 77%, 92% last year, 88% average. Cotton condition fair, rapid planting at 43%, 79% last year, 60% average. Tobacco fair to good, blue mold in beds being controlled, planting 73% completed, 95% last year, 85% average. Peanuts good condition, 17% planted, 29% last year, 39% average. Oat condition fair to good, 41% planted. Wheat 34% headed. Wheat, barley, hay conditions good. Peaches good, scattered hail some regions. Tomatoes good, recovering from previous wind damage. Cucumber condition fair, development slowed by cool nights, 92% planted, 97% last year; snap beans fair to good, 85% planted, 90% last year.

**SOUTH DAKOTA:** Precipitation light. Temperatures 4 to 10° above normal. Extremes: 20 to 99°.

Fieldwork: 6 days suitable. Soil moisture short most of state, adequate in southeast and southwest. Fuel supplies adequate. Farm activities: Seeding small grains, planting flax, plowing, discing, fence repair and light movement of livestock to pastures. Winter wheat and rye fair, deteriorated due to lack of moisture. Some emergence of spring sown grains. Livestock good, range fair but needs rain. Feed adequate, water low. Light death loss. Calving 80% complete, lambing approached 90%. Oats seeded 82%, 1979 26%, average 52%. Barley seeded 75%, 1979 14%, average 45%. Spring wheat seeded 86%, 1979 16%, average 49%. Flax planting 14%, 1979 0%, average 9%.

**TENNESSEE:** Temperatures averaged near normal west, 3 to 40° above normal east. Rains averaged slightly over 1.00 in.

Fieldwork: 5.1 days suitable. Soil moisture adequate. Spring plowing 68% completed, 1979 57%, average 69%. Tobacco planted seedlings virtually complete. Corn 29% planted, 1979 17%, average 26%. Cotton 12% planted, 1979 5%, average 16%. Wheat 6% headed, 1979 12%, average 22%. Oats 7% headed, 1979 12%, average 24%. Barley 16% headed, 24% 1979, average 39%. Small grains rated fair to good. Pastures good. Gas and diesel fuel supplies adequate. Activities: Plowing and planting in all areas.

**TEXAS:** High pressure brought southerly winds, warm temperatures, showers to southern Texas during first half of week. Midweek low pressure formed with cold front trailing south. As system moved east thunderstorms developed, by weekend, front moved through Texas and high pressure ushered much cooler air into State.

Land preparation, planting moved at a brisk pace Plains, Cross-Timbers, Blacklands, while Southcentral, south Texas were recovering from recent cold front. State experienced warm daytime temperatures, cool nights, light to heavy showers late week. Most districts still in need of additional moisture, early dryland planted crops south Texas, Rio Grande Valley under stress due to lack of precipitation. Land preparation including application of fertilizers, herbicides continues with preplant irrigation increasing High Plains. Planting of corn continues on Plains, Blacklands, Cross-Timbers, East Texas. Sorghum planting active same areas except Plains, Cross-Timbers. Cotton 99% planted by week's end, 17% a year ago, average 19%. Recent cold weather Central, Southcentral delayed growth some stands. Fields appear to be making slow recovery. Replanting minimal. American Pima cotton continued to progress as it recovered from delay caused by cold front. Stands of Upland, Pima reported in generally good condition. Corn planting progressed to 72%, well ahead of last year's pace. Planting nearing completion Cross-Timbers, Blacklands, Central Texas. Replanting due to frost damage on Coastal Bend, Southcentral areas. Cultivation continues with wind damage reported Edwards Plateau. Sorghum 66% planted. Planting moved at a rapid pace Edwards Plateau with progress beginning to advance on Plains, Cross-Timbers. Insects continue to plague Blacklands, Central, Southcentral areas where aphids, chinch bugs have been spotted. Along Coast, rootworms continue to do damage. Rice planting nearing completion, 94% planted. Dry, open weather has enabled progress to move rapidly. Crop 53% emerged. Insects have done little damage. Delays in planting due to bad weather have been minimal. Peanut planting 10% complete, ahead of last year's 9%, behind average of 15%. In Southcentral Texas, planting remains active, other producing areas of State busily pre-

paring land for planting. Small grains are beginning to show effects of moisture shortages. High, Low Plains recent dry weather, high winds continued depleting already low surface soil moisture availability and many dryland fields showing stress with some premature heading. Irrigated wheat mostly boot stage, many fields beginning to head. Most fields Central, South Texas heading but additional moisture needed for development. Oat fields showing affects of moisture shortage, fields continue to head from South Texas to Cross-Timbers.

In Lower Rio Grande Valley, harvest onions, cabbage, carrots, parsley remained active. Watermelons, cantaloups have about recovered from the cold weather and wind damage received week ago. Squash, tomatoes, peppers continued to make good progress. In the Coastal Bend area, cucumbers, watermelons showed stress from lack of moisture. Cabbage nearing maturity. In the San Antonio-Winter Garden area, onion harvest began. Movement cabbage, carrots continued while harvest spinach began to slow. Peppers and melons made good progress. In Central Texas tomatoes began to bloom. In East Texas land preparation and planting active. Potatoes, onions, other cool season vegetables doing well, however, cool weather caused other spring vegetables to be behind schedule. Some plant disease and fungus problems are present. In North Texas vegetables getting off to a slow start due to cool temperatures. Cutworms continued to cause damage. Limited supplies spinach, mustard, turnips, parsley harvested. Beans, squash, tomatoes planted. In the Knox-Haskell area, potatoes look good. In Trans-Pecos area, some chili peppers were planted. Most chili peppers recovered from recent cold temperatures. Cabbage, lettuce, onions making good progress. On High Plains onions being watered and making good growth. Rain caused some carrots to be replanted. Some tomato, pepper plants were being set out. Peach trees leafed out most areas. Pecans continued to bud and leaf out in the northern part of the State while trees are in full leaf in southern areas. Zinc being applied some areas.

Scattered showers fell across High Plains, parts North and Central Texas and provided needed moisture for forage growth. Other parts remained dry and spring plant growth remained limited. Where moisture fell, need for supplemental feeding diminished. General rains still needed across State. Spring calving nearly complete. Sheep, goat shearing continued Edwards Plateau.

**UTAH:** Precipitation light to moderate but locally heavy. Average temperatures well above normal. Averages ranged between 2 to 12° above normal. Warm, dry weather allowed spring work to move ahead rapidly. Fieldwork: 6.0 days suitable. Spring grain planting progressed well. Spring wheat 76% planted, 26% emerged. Barley 66% planted, 28% emerged. Oats 42% planted, 16% emerged. Corn planting began in warmer areas. Hay and pasture making good growth. Both calving and lambing around 80% complete. Movement to spring ranges continued. Supplies are adequate, but financing is tight. Widespread concern about costs of production.

**VIRGINIA:** Temperatures averaged 5° above normal. Extremes: 95 and 29°. Precipitation averaged 0.25 to 0.50 in. but locally heavy rain, hail and strong winds in some areas on the 27th. Soil temperature 60 to 67°.

Mostly open weather moved progress of crop plantings ahead. Topsoil moisture mostly adequate. Fieldwork: 5.3 days suitable. Corn condition good, 35% seeded, 37% 1979, 43% average; Tidewater, southeast corn 60% planted, 67% 1979. Soybeans 1% seeded 3% 1979, 3% usual; Tidewater, southeast progress 1% done, 0% 1979. Peanuts 9% planted, 5% 1979, 7%

average. Pastures, wheat in good condition. Tobacco plant beds good, southern Piedmont growers applying blue mold controls; land preparation for transplanting active. Cotton 35% seeded, 50% 1979, 45% average. Rye silage harvest, spring oats seeding active.

WASHINGTON: West: Temperatures averaged 1 to 2° above normal. Precipitation averaged near normal. Planting of green peas, lettuce, pasture seed, sweet corn active. Harvesting of field rhubarb, radishes, winter cauliflower, tulips continued. Berry crops showing good growth overall. Early peas and cabbage fields in good shape. Cattle on pasture. Dairymen green chopping.

East: Temperatures averaged 3 to 5° above normal. Precipitation averaged 0.1 in. above to 0.2 in. below normal. Plantings of wheat, barley, dry peas, green peas, potatoes and corn progressed. Soil moisture adequate. Mint in good condition. Root borer in peppermint crop a problem. Hay supplies short. Grain and hay crops doing well.

WEST VIRGINIA: Temperatures above normal except northwest. Extremes: 86 and 22°. Precipitation above normal except northwest.

Soil moisture adequate to short. Fieldwork: 4.9 days suitable. Fuel supplies adequate. Potatoes 50% planted, same last year. Oats 40% planted, last year 45%. Tobacco 64% planted, 20% emerged, last year 82% planted. Crop conditions fair to

good. Major activities: Field preparation, planting potatoes, tobacco beds, oats, gardens.

WISCONSIN: Temperatures averaged 4° above normal. Extremes: 97 and 18°. Precipitation very light, limited to eastern counties. Snow of 0.25 to 1.00 in. 23rd - 24th.

Fieldwork progressing in dry weather. Fieldwork: 5 days suitable. Oat planting 20% complete, 1979 20%, normal 30%. South most advanced on seeding oats, some farmers finished. Spring plowing 18% complete, 1979 18%, normal 25%. Heavy clay soils still too wet to work. Little corn planted, ground being prepared for planting. Potatoes and early peas being planted. Tobacco beds being prepared and seeded. Winter wheat and hay fields greening but need rain. Topsoil moisture supplies mostly adequate but becoming short.

WYOMING: Temperatures above normal. Precipitation below normal.

Warm, dry weather enabled farmers to make excellent progress preparing land and planting. Fieldwork: 6.0 days suitable. Topsoil moisture adequate. Acreage planted: Spring wheat 45%; oats 42%; barley 58%; sugarbeets 70%; corn 6%. Acreage emerged: Spring wheat 17%; oats 9%; barley 25%; sugarbeets less than 5%. Fertilizer supplies adequate. Spring calves born 77%. Range ewes lambed 43%. Farm flock ewes lambed 82%. Range sheep shorn 50%. Farm flock sheep shorn 76%. Cattle, sheep losses normal to lighter than normal. Fuel supplies adequate.

**International Weather and Crop Summary**

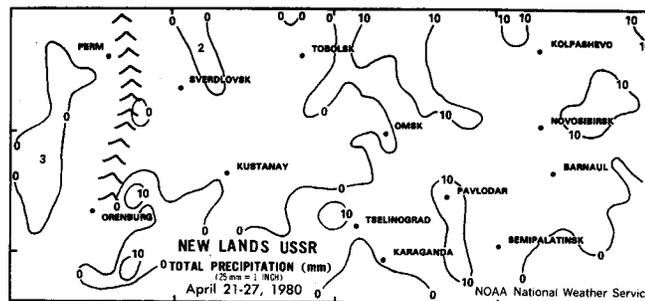
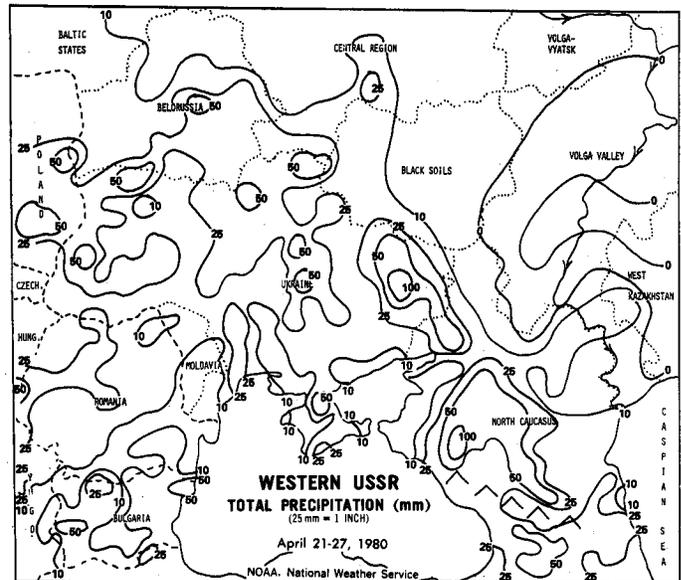
April 21 - 27

**HIGHLIGHTS:**

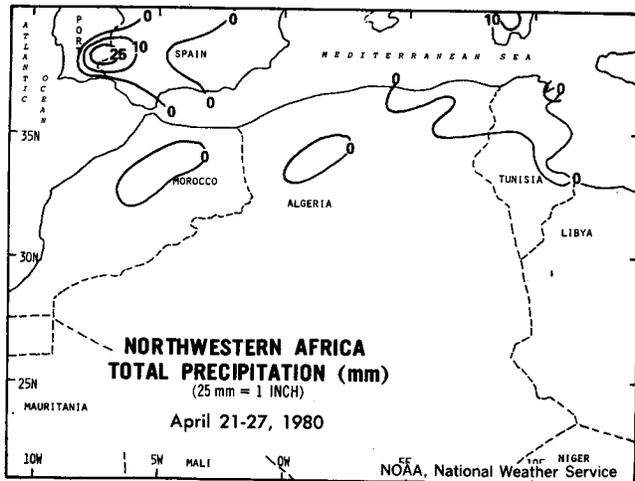
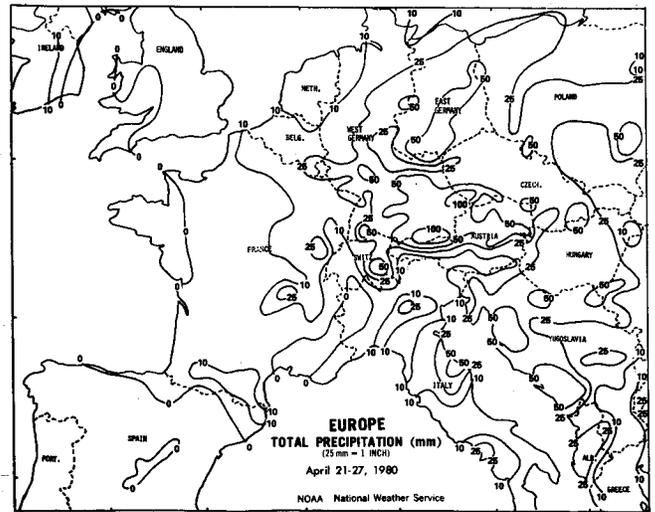
- USSR. Winter grains greening-up in northeast...widespread rainfall. Planting cotton...generally favorable weather.
- EUROPE. Winter grains greening-up in northeast...widespread abundant rainfall. Winter grains heading in Spain\*..adequate soil moisture.
- CHINA. Winter wheat heading...adequate moisture.
- INDIA. Harvesting wheat in the north\*...generally favorable weather.
- THAILAND. Planting rice and corn\*...beneficial rains in some areas.
- AUSTRALIA. Sowing winter grains in the south\*...still dry in northeastern portions of belt.
- NORTHWESTERN AFRICA. Winter grain harvest near\*...favorable weather.
- ARGENTINA. Late soybeans pod-filling...adequately moist and unseasonably warm.
- BRAZIL. Harvesting soybeans...favorable weather.
- MEXICO. Harvesting increasing for cantalopes, decreasing for tomatoes...favorable weather.
- CANADA. Spring grain sowing beginning in south...too dry in southwestern part of belt.

\*Based on normal crop calendar information.

USSR. Wet weather returned to most of the winter grain belt after a week of below-normal to normal precipitation in some areas. Wettest regions were near Minsk, Lvov, Kiev, Kharkov, and Krasnodar, bringing fieldwork to a halt again at many locations. The Volga Valley received generally less than normal rainfall, but soil moisture remained quite adequate due to the previous week's rains. Temperatures rose substantially above the week before at most stations and averaged near normal, but still warmer conditions are needed to bring crop development up to near normal. In the New Lands, an Asiatic high pressure system established itself during the week, resulting in much lower amounts of rainfall than had fallen the previous week. Some showers in eastern portions improved soil conditions as the planting season approached. Temperatures averaged 2 to 3°C warmer than the previous week and running well above normal.

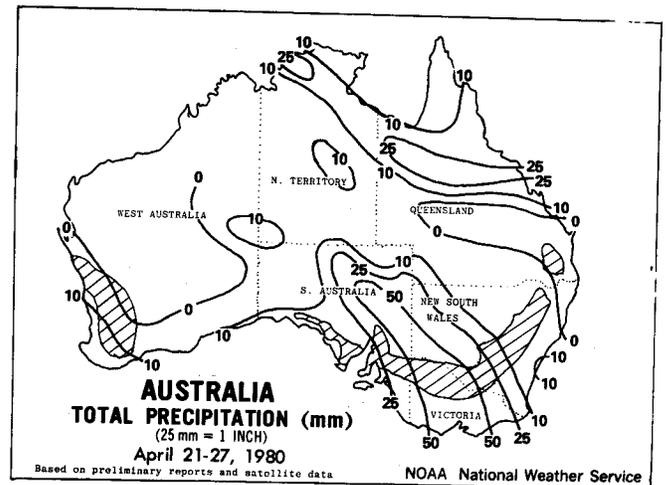


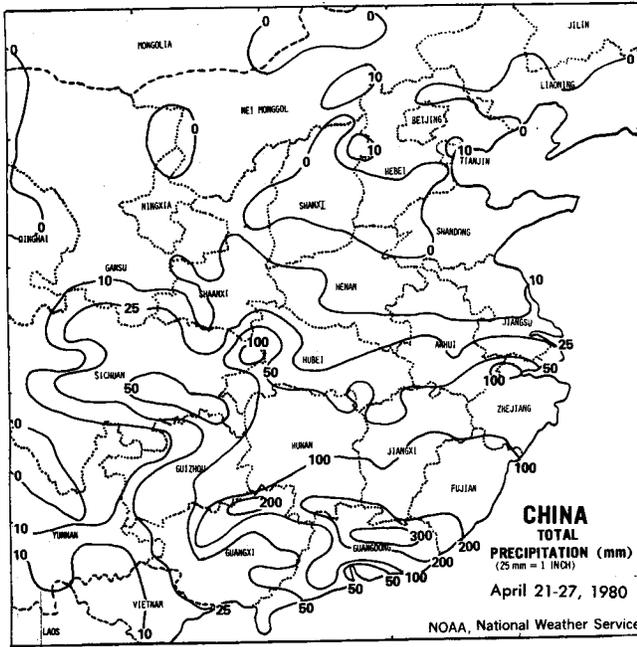
**EUROPE.** A low pressure system moved very slowly through central Europe, producing above-normal amounts of precipitation in excess of 25 mm through much of West Germany and East Germany, Poland, Austria, Hungary, Italy, Czechoslovakia, and Romania. Extensive areas received more than 50 mm, but fieldwork should not have been hampered because previous weeks had stayed relatively dry. Some scattered amounts of over 100 mm were reported over some of the mountains of central Europe but with little agricultural significance. Most of Spain and northwestern and southwestern France remained mostly without precipitation during this period, but winter grains had adequate moisture due to abundant rainfall during the previous week.



**NORTH AFRICA.** Only light scattered showers occurred in North Africa this week as high pressure in the eastern Pacific blocked storms from moving into the area. This created favorable conditions for the beginning of a winter grain harvest.

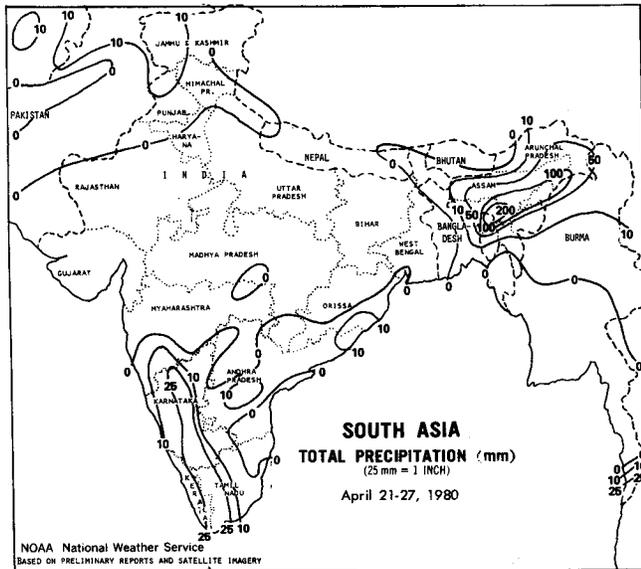
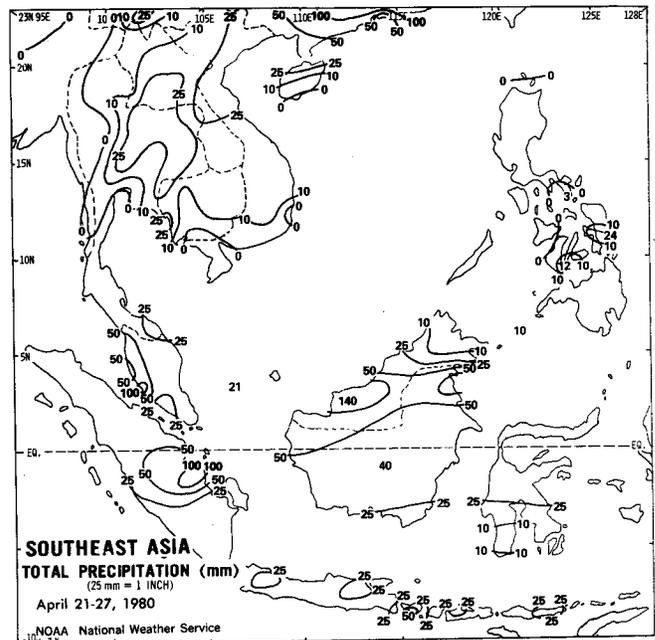
**AUSTRALIA.** Dry weather has returned to Australia. However, substantial rainfall earlier in the week in Victoria, South Australia, and southwestern New South Wales, brought their totals for this year to near normal. With this second week of wet weather, the "drought" can be considered broken in the south central part of the country. Some very light showers fell in northeastern New South Wales, but amounts were less than 10 mm, and conditions remain too dry for grain sowing.



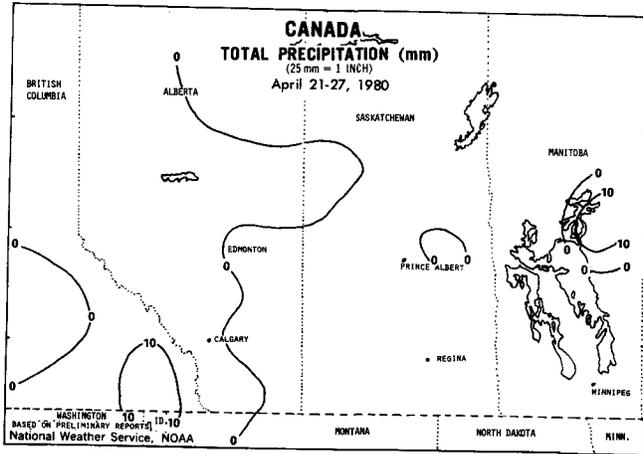


**CHINA.** After a one-week respite from excessive rainfall in the southern part of the Yangtze Valley, heavier rains returned with the re-establishment of onshore flow around the NW-SE lobe of the asiatic anticyclone. Amounts in excess of 100 mm--with scattered amounts greater than 300 mm--fell in parts of the extreme southeastern provinces. Heaviest totals stayed mostly in the hills, but this excess of water must be causing continuing problems with planting of rice and other crops. Rains stayed generally below normal in the North China Plain, and soil moisture is perhaps in short supply, necessitating use of irrigation of wheat (now heading) by farmers. Temperatures were generally 2 to 3°C below normal north of the Yangtze River, raising concerns of delays in crop development; near-normal temperatures prevailed south of the Yangtze.

**THAILAND.** Northwestern Thailand continued dry, although light to moderate showers occurred over much of the country during the week. Satellite photos and isolated reports of 10 to 36 mm in the northern rice crop area indicated some beneficial rain did fall, but for the most part, irrigation remained in short supply for the growth of newly transplanted rice.

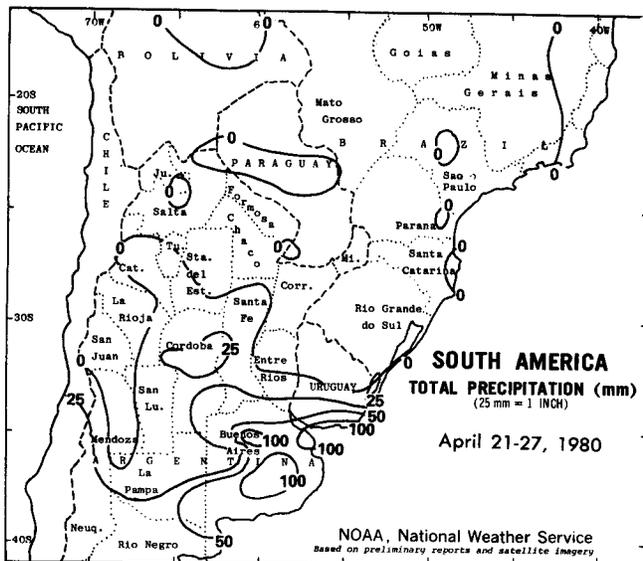
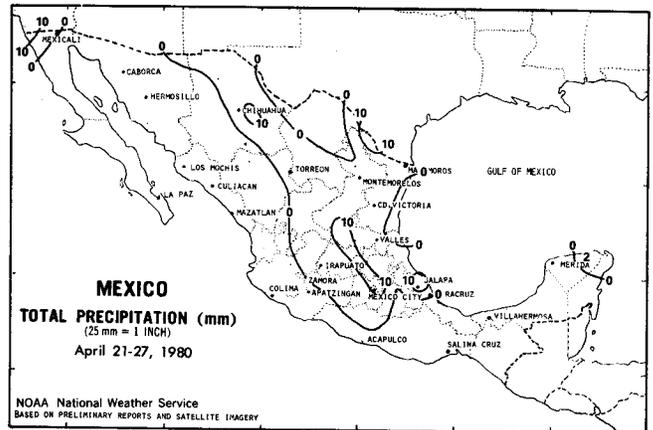


**INDIA.** Showers in southern India fell mainly in the western coastal region. Reported amounts were less than 30 mm, but satellite photos indicated some heavy showers occurred. Northern India continued hot and mostly dry with some light showers not interfering with wheat harvest. Afternoon temperatures ranged in the upper thirties and low forties. Above-normal rainfall continued in Assam as the major crop season approached.



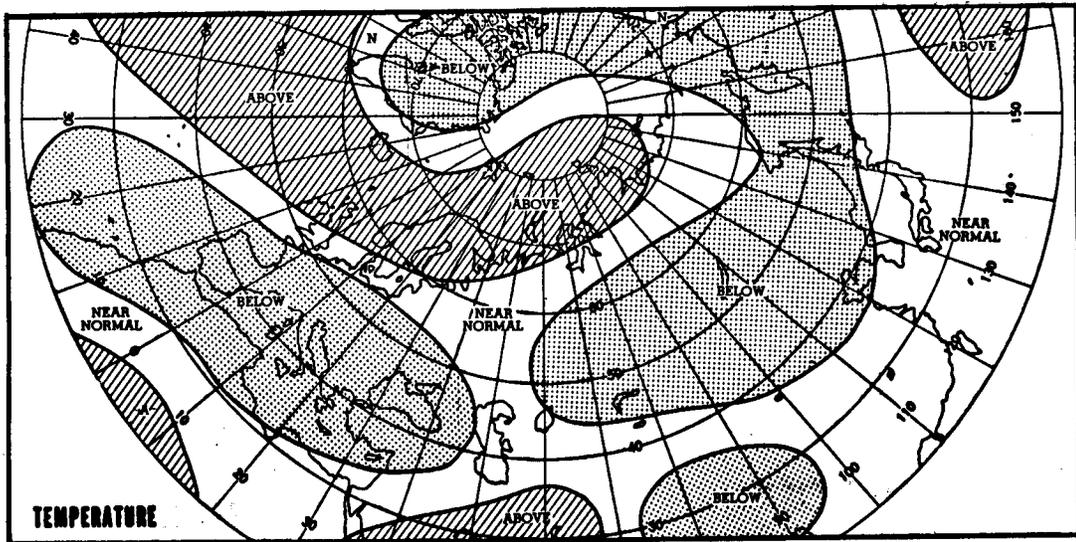
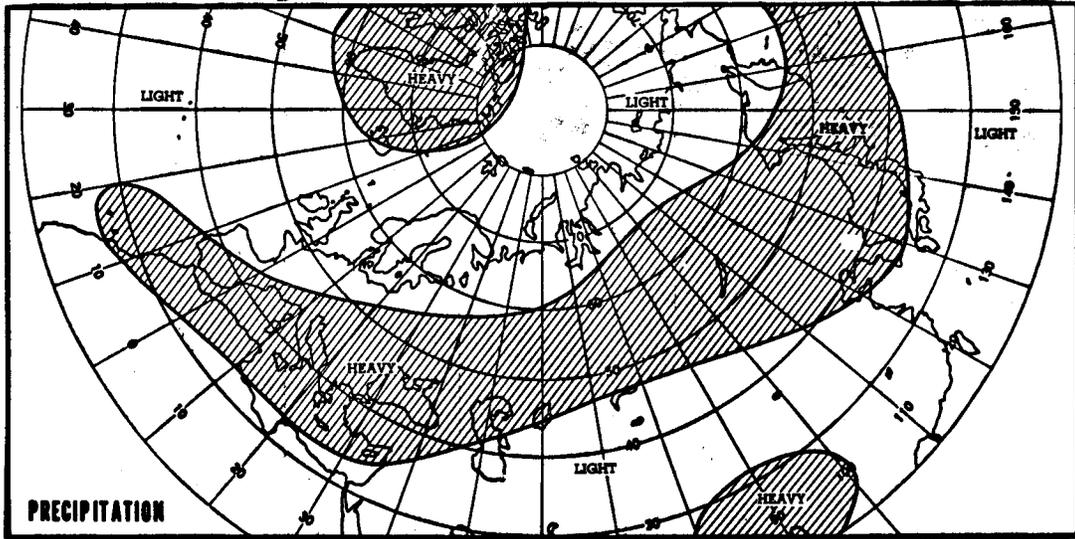
**CANADA.** A blocking high pressure system through central U.S. and Saskatchewan prevented storm systems from moving through the area. Insufficient precipitation has fallen in the past month in many areas, but excessive dryness has been reported only in southern Alberta and southwestern Saskatchewan, with near-normal conditions in central and northern Alberta as spring sowing began in the south.

**MEXICO.** Dry, sunny conditions prevailed over most of the major crop areas. However, a few light showers benefited crops in the southern plateau and the Jalapa citrus orchards. Warm to occasionally hot afternoon temperatures kept water needs relatively high, especially in late tomatoes and other vegetables along the west coast. Weather favored the increasing harvest of cantaloupes, as the tomato harvest decreased.



**SOUTH AMERICA.** Clear to partly cloudy skies persisted throughout the week in the Brazilian soybean crop area, allowing soybean harvest to continue unimpeded. Light to moderate showers occurred in the Argentine soybean region and temperatures surged about 9°C above normal, creating favorable conditions for the late-planted soybeans to continue pod-filling. Heaviest rain fell in Buenos Aires Province where weekly totals exceeded 200 mm in several places, and some reports ranged as high as 500 mm. Widespread flooding of farmland and drowning of livestock has been reported in central and eastern portions of the province.

EURASIA MONTHLY OUTLOOK FOR MAY



**SEEDING PROGRESS**  
FOR WEEK ENDING APRIL 27

	COTTON 1980	1979	AVG.
ACA	40	18	49
ARIZ	77	73	NA
ARK	10	6	17
CALIF	84	87	NA
GA	28	72	61
LA	5	5	24
MISS	12	7	25
MO	8	3	16
N MEX	35	50	50
N C	28	41	32
OKLA	0	0	0
S C	63	79	60
TENN	12	3	16
TEX	19	17	19

14 STATES 88 27 NA

EXCL CALIF AND ARIZ 17 16 21

THESE 14 STATES PRODUCED 99% OF THE 1979 COTTON CROP.

	RICE 1980	1979	AVG.
ARK	22	21	51
CALIF	NA	NA	NA
LA	66	66	75
MISS	42	21	52
TEX	94	73	88

5 STATES  
EXCL CALIF 50 43 65

THESE 5 STATES PRODUCED 99% OF THE 1979 RICE CROP.

	CORN 1980	1979	AVG.
COLO	3	11	19
GA	74	92	84
ILL	8	1	14
IND	5	2	7
IAWA	9	0	6
KANS	8	6	15
KY	18	6	24
MICH	2	0	3
MINN	3	0	4
MO	17	5	30
NEBR	5	1/	1/
N C	69	75	72
OHIO	5	5	10
PA	5	4	8
S DAK	0	0	0
VA	35	37	43
WIS	1	1	1

17 STATES 10 5 12

THESE 17 STATES PRODUCED 93% OF THE 1979 CORN CROP.

NA - NOT AVAILABLE

1/ LESS THAN 5%

	GRAIN SORGHUM 1980	1979	AVG.
COLO	0	0	0
KANS	0	0	0
MO	3	1	4
NEBR	0	0	0
OKLA	0	0	0
S DAK	0	0	0
TEX	66	56	69

7 STATES 24 20 25

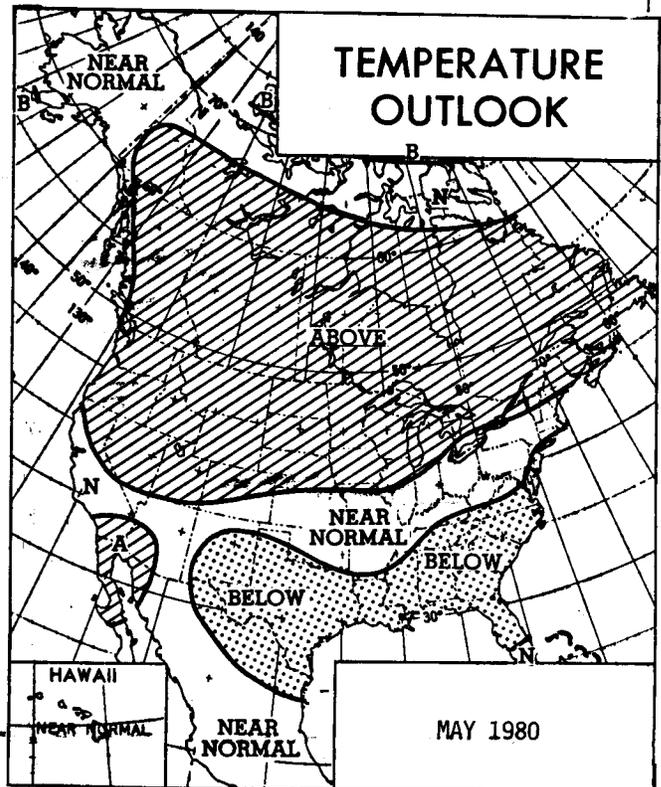
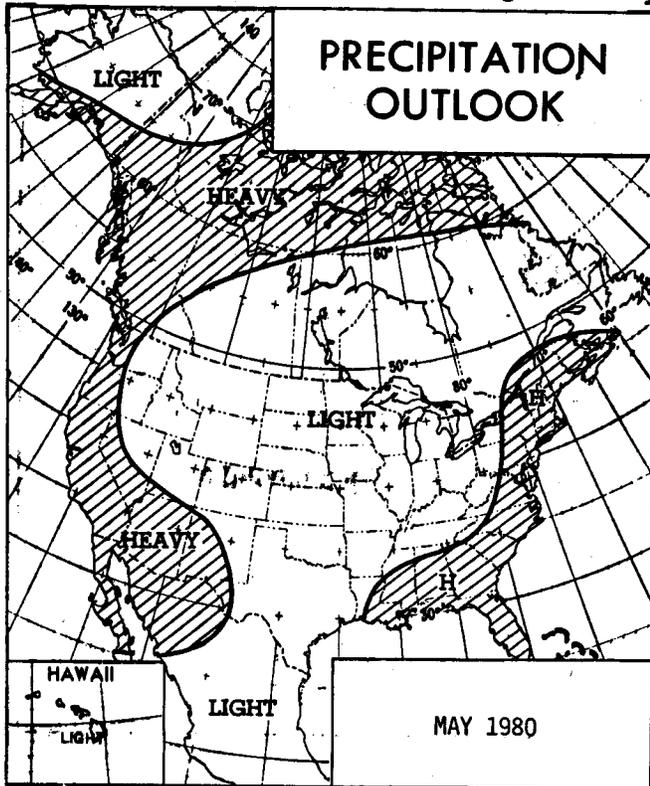
THESE 7 STATES PRODUCED 92% OF THE 1979 GRAIN SORGHUM CROP.

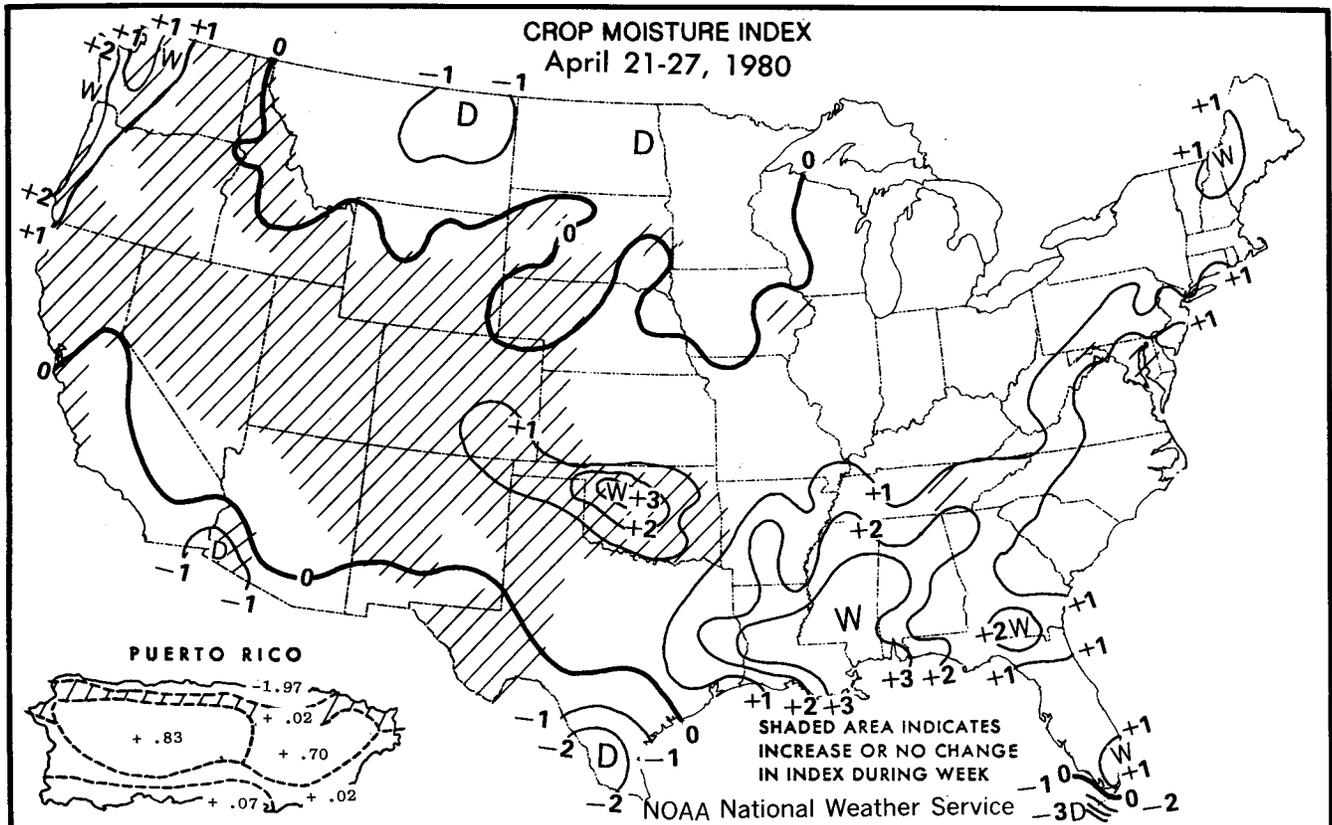
	SPRING WHEAT 1980	1979	AVG.
IDAMO	80	50	55
MINN	51	1	31
MONT	40	1/	35
N DAK	32	0	14
S DAK	86	16	14

5 STATES 36 5 22

THESE 5 STATES PRODUCED 91% OF THE 1979 SPRING WHEAT CROP EXCLUDING DURUM.

**Average Monthly Weather Outlook**





The Crop Moisture Index measures the degree to which moisture requirements of growing crops were met during the previous week. The index is computed from average weekly values of temperature and precipitation. These values are used to calculate the potential moisture demand. Taking into account the previous soil moisture condition and current rainfall, the actual moisture loss is determined.

If the potential moisture demand, or potential evapotranspiration, exceeds available moisture supplies, actual evapotranspiration is reduced and the CMI gives a

<b>UNSHADED AREAS:</b>	<b>INDEX DECREASED</b>
ABOVE 3.0	SOME DRYING BUT STILL EXCESSIVELY WET
2.0 to 3.0	MORE DRY WEATHER NEEDED, WORK DELAYED
1.0 to 2.0	FAVORABLE, EXCEPT STILL TOO WET IN SPOTS
0 to 1.0	FAVORABLE FOR NORMAL GROWTH AND FIELDWORK
0 to -1.0	TOPSOIL MOISTURE SHORT, GERMINATION SLOW
-1.0 to -2.0	ABNORMALLY DRY, PROSPECTS DETERIORATING
-2.0 to -3.0	TOO DRY, YIELD PROSPECTS REDUCED
-3.0 to -4.0	POTENTIAL YIELDS SEVERELY CUT BY DROUGHT
BELOW -4.0	EXTREMELY DRY, MOST CROPS RUINED

negative value. However, if moisture meets or exceeds demand the index is positive.

Shaded areas indicate the index was unchanged or increased from the previous week's value; soils dried in the unshaded areas. Centers of positive and negative areas are identified by W for wet and D for dry.

Local moisture conditions may vary because of differences in rainfall distribution or soil types. The type of agriculture and stage of crop development must be considered when assessing the impact of moisture conditions based on the Crop Moisture Index. Some general guidelines follow.

<b>SHADED AREAS:</b>	<b>INDEX INCREASED OR DID NOT CHANGE</b>
ABOVE 3.0	EXCESSIVELY WET, SOME FIELDS FLOODED
2.0 to 3.0	TOO WET, SOME STANDING WATER
1.0 to 2.0	PROSPECTS ABOVE NORMAL, SOME FIELDS TOO WET
0 to 1.0	MOISTURE ADEQUATE FOR PRESENT NEEDS
0 to -1.0	PROSPECTS IMPROVED BUT RAIN STILL NEEDED
-1.0 to -2.0	SOME IMPROVEMENT BUT STILL TOO DRY
-2.0 to -3.0	DROUGHT EASED BUT STILL SERIOUS
-3.0 to -4.0	DROUGHT CONTINUES, RAIN URGENTLY NEEDED
BELOW -4.0	NOT ENOUGH RAIN, STILL EXTREMELY DRY

THE AREAL EXTENT OF THE EXCESSIVELY WET SOILS IN THE SOUTHEASTERN UNITED STATES HAS BEEN GREATLY REDUCED. ALMOST FIVE DAYS OF LITTLE OR NO RAIN IN THE LOWER MISSISSIPPI VALLEY ALLOWED DRAINAGE AND DRYING, BUT MUCH OF THE AREA IS STILL TOO WET. HEAVY RAIN FROM THUNDERSTORMS THAT FELL FROM SOUTHEASTERN COLORADO TO CENTRAL OKLAHOMA HAS LEFT THE GROUND TEMPORARILY TOO WET.

CONTINUED RAINLESS DAYS HAVE CAUSED THE NORTHERN PORTION OF THE LOWER RIO GRANDE VALLEY TO BECOME SERIOUSLY DRY. HOT WEATHER AND NO RAIN IS CAUSING PARTS OF THE NORTHERN PLAINS TO BECOME ABNORMALLY DRY.

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